

SAFETY DATA SHEET



LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Product name	: LC/MS Pesticide Standard Kit, Part Number 5190-0551
Part no. (chemical kit)	: 5190-0551
Part no.	: LC/MS Pesticide Standard #1 5190-0551- 1
	LC/MS Pesticide Standard #2 5190-0551- 2
	LC/MS Pesticide Standard #3 5190-0551- 3
	LC/MS Pesticide Standard #4 5190-0551- 4
	LC/MS Pesticide Standard #5 5190-0551- 5
	LC/MS Pesticide Standard #6 5190-0551- 6
	LC/MS Pesticide Standard #7 5190-0551- 7
	LC/MS Pesticide Standard #8 5190-0551- 8

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses	: Reagents and Standards for Analytical Chemistry Laboratory Use
	LC/MS Pesticide Standard #1 1 x 1 mL
	LC/MS Pesticide Standard #2 1 x 1 mL
	LC/MS Pesticide Standard #3 1 x 1 mL
	LC/MS Pesticide Standard #4 1 x 1 mL
	LC/MS Pesticide Standard #5 1 x 1 mL
	LC/MS Pesticide Standard #6 1 x 1 mL
	LC/MS Pesticide Standard #7 1 x 1 mL
	LC/MS Pesticide Standard #8 1 x 1 mL

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	LC/MS Pesticide Standard #1	Mixture
		LC/MS Pesticide Standard #2	Mixture
		LC/MS Pesticide Standard #3	Mixture
		LC/MS Pesticide Standard #4	Mixture
		LC/MS Pesticide Standard #5	Mixture
		LC/MS Pesticide Standard #6	Mixture
		LC/MS Pesticide Standard #7	Mixture
		LC/MS Pesticide Standard #8	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

LC/MS Pesticide Standard #1

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard #2

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard #3

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard #4

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard #5

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 2: Hazards identification

H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard #6

H225 FLAMMABLE LIQUIDS - Category 2
H302 ACUTE TOXICITY (oral) - Category 4
H312 ACUTE TOXICITY (dermal) - Category 4
H332 ACUTE TOXICITY (inhalation) - Category 4
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard #7

H225 FLAMMABLE LIQUIDS - Category 2
H302 ACUTE TOXICITY (oral) - Category 4
H312 ACUTE TOXICITY (dermal) - Category 4
H332 ACUTE TOXICITY (inhalation) - Category 4
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard #8

H225 FLAMMABLE LIQUIDS - Category 2
H302 ACUTE TOXICITY (oral) - Category 4
H312 ACUTE TOXICITY (dermal) - Category 4
H332 ACUTE TOXICITY (inhalation) - Category 4
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H411 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 2: Hazards identification

Hazard pictograms

: LC/MS Pesticide Standard #1



LC/MS Pesticide Standard #2



LC/MS Pesticide Standard #3



LC/MS Pesticide Standard #4



LC/MS Pesticide Standard #5



LC/MS Pesticide Standard #6



LC/MS Pesticide Standard #7



LC/MS Pesticide Standard #8



Signal word

: LC/MS Pesticide Standard #1
 LC/MS Pesticide Standard #2
 LC/MS Pesticide Standard #3
 LC/MS Pesticide Standard #4
 LC/MS Pesticide Standard #5
 LC/MS Pesticide Standard #6
 LC/MS Pesticide Standard #7
 LC/MS Pesticide Standard #8

Danger
 Danger
 Danger
 Danger
 Danger
 Danger
 Danger
 Danger

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 2: Hazards identification

Hazard statements	:	LC/MS Pesticide Standard #1	H225 - Highly flammable liquid and vapour. H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.
		LC/MS Pesticide Standard #2	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.
		LC/MS Pesticide Standard #3	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.
		LC/MS Pesticide Standard #4	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.
		LC/MS Pesticide Standard #5	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.
		LC/MS Pesticide Standard #6	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.
		LC/MS Pesticide Standard #7	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.
		LC/MS Pesticide Standard #8	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. H225 - Highly flammable liquid and vapour.


Precautionary statements

Prevention	:	LC/MS Pesticide Standard #1	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment.
		LC/MS Pesticide Standard #2	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment.
		LC/MS Pesticide Standard #3	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open

SECTION 2: Hazards identification

LC/MS Pesticide Standard #4	flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment.
LC/MS Pesticide Standard #5	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment.
LC/MS Pesticide Standard #6	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment.
LC/MS Pesticide Standard #7	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment.
LC/MS Pesticide Standard #8	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment.

Response

:  LC/MS Pesticide Standard #1	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
LC/MS Pesticide Standard #2	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
LC/MS Pesticide Standard #3	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
LC/MS Pesticide Standard #4	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
LC/MS Pesticide Standard #5	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
LC/MS Pesticide Standard #6	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
LC/MS Pesticide Standard #7	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
LC/MS Pesticide Standard #8	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 2: Hazards identification

Storage	: <input checked="" type="checkbox"/> LC/MS Pesticide Standard #1	Not applicable.
	LC/MS Pesticide Standard #2	Not applicable.
	LC/MS Pesticide Standard #3	Not applicable.
	LC/MS Pesticide Standard #4	Not applicable.
	LC/MS Pesticide Standard #5	Not applicable.
	LC/MS Pesticide Standard #6	Not applicable.
	LC/MS Pesticide Standard #7	Not applicable.
	LC/MS Pesticide Standard #8	Not applicable.
Disposal	: LC/MS Pesticide Standard #1	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	LC/MS Pesticide Standard #2	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	LC/MS Pesticide Standard #3	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	LC/MS Pesticide Standard #4	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	LC/MS Pesticide Standard #5	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	LC/MS Pesticide Standard #6	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	LC/MS Pesticide Standard #7	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	LC/MS Pesticide Standard #8	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	: <input checked="" type="checkbox"/> LC/MS Pesticide Standard #1	- acetonitrile
	LC/MS Pesticide Standard #2	- acetonitrile
	LC/MS Pesticide Standard #3	- acetonitrile
	LC/MS Pesticide Standard #4	- acetonitrile
	LC/MS Pesticide Standard #5	- acetonitrile
	LC/MS Pesticide Standard #6	- acetonitrile
	LC/MS Pesticide Standard #7	- acetonitrile
	LC/MS Pesticide Standard #8	- acetonitrile
Supplemental label elements	: LC/MS Pesticide Standard #1	Not applicable.
	LC/MS Pesticide Standard #2	Not applicable.
	LC/MS Pesticide Standard #3	Not applicable.
	LC/MS Pesticide Standard #4	Not applicable.
	LC/MS Pesticide Standard #5	Not applicable.
	LC/MS Pesticide Standard #6	Contains spirotetramat (ISO). May produce an allergic reaction.
LC/MS Pesticide Standard #8	Not applicable.	

SECTION 2: Hazards identification

	Standard #7	
	LC/MS Pesticide Standard #8	Contains fluazinam (ISO). May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	LC/MS Pesticide Standard #1	Not applicable.
	LC/MS Pesticide Standard #2	Not applicable.
	LC/MS Pesticide Standard #3	Not applicable.
	LC/MS Pesticide Standard #4	Not applicable.
	LC/MS Pesticide Standard #5	Not applicable.
	LC/MS Pesticide Standard #6	Not applicable.
	LC/MS Pesticide Standard #7	Not applicable.
	LC/MS Pesticide Standard #8	Not applicable.
Special packaging requirements		
Tactile warning of danger	LC/MS Pesticide Standard #1	Not applicable.
	LC/MS Pesticide Standard #2	Not applicable.
	LC/MS Pesticide Standard #3	Not applicable.
	LC/MS Pesticide Standard #4	Not applicable.
	LC/MS Pesticide Standard #5	Not applicable.
	LC/MS Pesticide Standard #6	Not applicable.
	LC/MS Pesticide Standard #7	Not applicable.
	LC/MS Pesticide Standard #8	Not applicable.
2.3 Other hazards		
Other hazards which do not result in classification	LC/MS Pesticide Standard #1	None known.
	LC/MS Pesticide Standard #2	None known.
	LC/MS Pesticide Standard #3	None known.
	LC/MS Pesticide Standard #4	None known.
	LC/MS Pesticide Standard #5	None known.
	LC/MS Pesticide Standard #6	None known.
	LC/MS Pesticide Standard #7	None known.
	LC/MS Pesticide Standard #8	None known.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

3.1 Substances	:	LC/MS Pesticide Standard #1	Mixture
		LC/MS Pesticide Standard #2	Mixture
		LC/MS Pesticide Standard #3	Mixture
		LC/MS Pesticide Standard #4	Mixture
		LC/MS Pesticide Standard #5	Mixture
		LC/MS Pesticide Standard #6	Mixture
		LC/MS Pesticide Standard #7	Mixture
		LC/MS Pesticide Standard #8	Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
LC/MS Pesticide Standard #1 Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
Methamidophos (ISO)	EC: 233-606-0 CAS: 10265-92-6 Index: 015-095-00-4	<0.1	Acute Tox. 2, H300 Acute Tox. 3, H311 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=1000000)	[1]
Azinphos-ethyl (ISO)	EC: 220-147-6 CAS: 2642-71-9 Index: 015-056-00-1	<0.1	Acute Tox. 2, H300 Acute Tox. 3, H311 STOT RE 2, H373 (nervous system) Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Fenamiphos (ISO)	EC: 244-848-1 CAS: 22224-92-6 Index: 015-123-00-5	<0.1	Acute Tox. 2, H300 Acute Tox. 2, H310 Acute Tox. 2, H330 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Lenacil	EC: 218-499-0 CAS: 2164-08-1 Index: 613-320-00-6	≤0.1	Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Flufenacet (ISO)	CAS: 142459-58-3 Index: 613-164-00-9	≤0.1	Acute Tox. 4, H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Disulfoton (ISO)	EC: 206-054-3 CAS: 298-04-4 Index: 015-060-00-3	<0.1	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=1000)	[1]
4H-1,3,5-Thiadiazin-4-one, 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-Dimoxystrobin (ISO)	CAS: 69327-76-0	<0.1	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)	[1]
	CAS: 149961-52-4 Index: 616-164-00-7	≤0.1	Acute Tox. 4, H332 Carc. 2, H351 Repr. 2, H361d (Unborn child) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Benzamide, 2,6-dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl-	CAS: 239110-15-7	≤0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Butanoic acid, 2,2-dimethyl-, 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro [4.5]dec-3-en-4-yl ester	CAS: 148477-71-8	≤0.1	Skin Sens. 1, H317 Aquatic Chronic 1, H410 (M=10)	[1]
Spiroxamine (ISO)	CAS: 118134-30-8	≤0.1	Acute Tox. 4, H302	[1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

Azinphos-methyl (ISO)	Index: 612-150-00-X EC: 201-676-1 CAS: 86-50-0 Index: 015-039-00-9	<0.1	Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) Acute Tox. 2, H300 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
LC/MS Pesticide Standard #2 Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
1-[2-(Allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole	EC: 252-615-0 CAS: 35554-44-0 Index: 613-042-00-5	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H332 Eye Dam. 1, H318 Carc. 2, H351 Aquatic Chronic 1, H410 (M=10)	[1]
Chlorfenvinphos (ISO)	EC: 207-432-0 CAS: 470-90-6 Index: 015-071-00-3	<0.1	Acute Tox. 2, H300 Acute Tox. 3, H311 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Chlorpyrifos-methyl	EC: 227-011-5 CAS: 5598-13-0 Index: 015-186-00-9	≤0.1	Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000)	[1]
Propiconazole (ISO)	EC: 262-104-4 CAS: 60207-90-1 Index: 613-205-00-0	≤0.1	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=100)	[1]
Tebuconazole (ISO)	EC: 403-640-2 CAS: 107534-96-3 Index: 603-197-00-7	<0.1	Acute Tox. 4, H302 Repr. 2, H361d (Unborn child) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)	[1]
Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (2-methyl[1,1'-biphenyl]-3-yl)methyl ester, (1R,3R)-rel-	CAS: 82657-04-3	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H332 Skin Sens. 1, H317 STOT SE 2, H371 (nervous system) (oral) Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000)	[1]
Cyclopentanol, 2-[(4-chlorophenyl)methyl]-5-(1-methylethyl)-1-(1H-1,2,4-triazol-1-ylmethyl)-	CAS: 125225-28-7	≤0.1	Aquatic Chronic 1, H410 (M=100)	[1]
S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethyl thiophosphate	EC: 252-626-0 CAS: 35575-96-3	≤0.1	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Diazinon (ISO)	EC: 206-373-8 CAS: 333-41-5 Index: 015-040-00-4	≤0.1	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=1000)	[1]
Dichlorvos (ISO)	EC: 200-547-7 CAS: 62-73-7 Index: 015-019-00-X	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000)	[1]
Ethion (ISO)	EC: 209-242-3 CAS: 563-12-2	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H312	[1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

BROMUCONAZOLE	Index: 015-047-00-2 EC: 408-060-3 CAS: 116255-48-2	≤0.1	Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000) Acute Tox. 4, H302	[1]
Coumaphos (ISO)	EC: 200-285-3 CAS: 56-72-4 Index: 015-038-00-3	<0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) Acute Tox. 2, H300 Acute Tox. 4, H312	[1]
Chlorpyrifos (ISO)	EC: 220-864-4 CAS: 2921-88-2 Index: 015-084-00-4	<0.1	Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000) Acute Tox. 3, H301	[1] [2]
Ethoprophos (ISO)	EC: 236-152-1 CAS: 13194-48-4 Index: 015-107-00-8	<0.1	Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000) Acute Tox. 3, H301 Acute Tox. 1, H310 Acute Tox. 2, H330 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
LC/MS Pesticide Standard #3 Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
S-tert-Butylthiomethyl O,O-diethylphosphorodithioate	EC: 235-963-8 CAS: 13071-79-9 Index: 015-139-00-2	<0.1	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Succinic acid, mercapto-, diethyl ester, S-ester with O,O-dimethylphosphorothioate	CAS: 1634-78-2	<0.1	Acute Tox. 3, H301 Acute Tox. 2, H310 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Pirimicarb (ISO)	EC: 245-430-1 CAS: 23103-98-2 Index: 006-035-00-8	<0.1	Acute Tox. 3, H301 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Pirimiphos-methyl (ISO)	EC: 249-528-5 CAS: 29232-93-7 Index: 015-134-00-5	≤0.1	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Quinalphos (ISO)	EC: 237-031-6 CAS: 13593-03-8 Index: 015-138-00-7	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Profenofos (ISO)	EC: 255-255-2 CAS: 41198-08-7 Index: 015-135-00-0	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Phosphamidon	EC: 236-116-5 CAS: 13171-21-6 Index: 015-022-00-6	<0.1	Acute Tox. 2, H300 Acute Tox. 3, H311 Muta. 2, H341 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10)	[1]
Phenthoate (ISO)	EC: 219-997-0 CAS: 2597-03-7 Index: 015-097-00-5	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Methidathion (ISO)	EC: 213-449-4 CAS: 950-37-8 Index: 015-069-00-2	<0.1	Acute Tox. 2, H300 Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Trans-isopropyl-3-[(ethylamino)	EC: 250-517-2	<0.1	Acute Tox. 3, H301	[1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

methoxyfosfinothiyl]oxy]crotonate	CAS: 31218-83-4 Index: 015-136-00-6		Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	
Dichloro-N-[(dimethylamino) sulphonyl]fluoro-N-(p-tolyl) methanesulphenamide liquid	EC: 211-986-9 CAS: 731-27-1 Index: 613-116-00-7	<0.1	Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
1H-1,2,4-Triazole, 1-[[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl]methyl]-	CAS: 119446-68-3	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H332 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=100)	[1]
quinoxifen (ISO)	CAS: 124495-18-7 Index: 613-138-00-7	≤0.1	Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
2-Cyclohexen-1-one, 2-[(1E)-1-[[[(2E)-3-chloro-2-propen-1-yl]oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-	CAS: 99129-21-2	≤0.1	Aquatic Chronic 1, H410 (M=10)	[1]
Isoxaflutole (ISO)	CAS: 141112-29-0 Index: 606-054-00-7	≤0.1	Repr. 2, H361d (Unborn child) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=100)	[1]
Malathion (ISO)	EC: 204-497-7 CAS: 121-75-5 Index: 015-041-00-X	≤0.1	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1] [2]
2-Chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide	EC: 257-060-8 CAS: 51218-45-2	<0.1	Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1]
Oxadiazon (ISO)	EC: 243-215-7 CAS: 19666-30-9 Index: 606-045-00-8	≤0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=100)	[1]
N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine	EC: 254-938-2 CAS: 40487-42-1 Index: 609-042-00-X	≤0.1	Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=100)	[1]
Molinate (ISO)	EC: 218-661-0 CAS: 2212-67-1 Index: 613-051-00-4	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Sens. 1, H317 Carc. 2, H351 Repr. 2, H361f (Fertility) STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
2-Chloro-N-(2,6-dimethylphenyl)-N-(1H-pyrazol-1-ylmethyl)acetamide	EC: 266-583-0 CAS: 67129-08-2 Index: 616-205-00-9	≤0.1	Skin Sens. 1B, H317 Carc. 2, H351 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Mecarbam (ISO)	EC: 219-993-9 CAS: 2595-54-2 Index: 015-045-00-1	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Triazophos (ISO)	EC: 245-986-5 CAS: 24017-47-8 Index: 015-140-00-8	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H312 Acute Tox. 3, H331 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
1H-Pyrazole-5-carboxamide, 4-chloro-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-3-ethyl-1-methyl-	CAS: 119168-77-3 Index: 616-210-00-6	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H332 Skin Sens. 1B, H317 STOT RE 2, H373 (gastrointestinal)	[1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

Mevinphos (ISO)	EC: 232-095-1 CAS: 7786-34-7 Index: 015-020-00-5	<0.1	tract) (oral) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000)	[1]
Phosalone	EC: 218-996-2 CAS: 2310-17-0 Index: 015-067-00-1	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
LC/MS Pesticide Standard #4 Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
Monocrotophos (ISO)	EC: 230-042-7 CAS: 6923-22-4 Index: 015-072-00-9	<0.1	Acute Tox. 2, H300 Acute Tox. 3, H311 Acute Tox. 2, H330 Muta. 2, H341 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	[1]
fipronil (ISO)	EC: 424-610-5 CAS: 120068-37-3 Index: 608-055-00-8	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
N-[[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide	EC: 252-529-3 CAS: 35367-38-5	≤0.1	Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=100)	[1]
Carfentrazone-ethyl (ISO)	CAS: 128639-02-1 Index: 607-309-00-5	≤0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Kresoxim-methyl (ISO)	EC: 417-880-0 CAS: 143390-89-0 Index: 607-310-00-0	≤0.1	Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Phoxim (ISO)	EC: 238-887-3 CAS: 14816-18-3 Index: 015-100-00-X	≤0.1	Acute Tox. 4, H302 Skin Sens. 1, H317 Repr. 2, H361f (Fertility) Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
famoxadone (ISO)	CAS: 131807-57-3 Index: 612-206-00-3	≤0.1	STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1000)	[1]
Chlorsulfuron (ISO)	EC: 265-268-5 CAS: 64902-72-3 Index: 613-121-00-4	<0.1	Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1)	[1]
Benzamide, N-(((4-(2-chloro-4-(trifluoromethyl)phenoxy)-2-fluorophenyl)amino)carbonyl)-2,6-difluoro-	CAS: 101463-69-8 Index: 616-206-00-4	≤0.1	Lact., H362 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000)	[1]
Linuron (ISO)	EC: 206-356-5 CAS: 330-55-2 Index: 006-021-00-1	≤0.1	Acute Tox. 4, H302 Carc. 2, H351 Repr. 1B, H360Df (Unborn child and Fertility) STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

Metribuzin (ISO)	EC: 244-209-7 CAS: 21087-64-9 Index: 606-034-00-8	≤0.1	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Methyl 2-(3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)3-methylureidosulphonyl)benzoate Metsulfuron-methyl	EC: 401-190-1 CAS: 101200-48-0 Index: 607-177-00-9 CAS: 74223-64-6 Index: 613-139-00-2	≤0.1	Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Cyazofamid (ISO)	CAS: 120116-88-3 Index: 616-166-00-8	≤0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Flazasulfuron (ISO)	CAS: 104040-78-0 Index: 016-085-00-2	≤0.1	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
hexythiazox (ISO)	CAS: 78587-05-0 Index: 613-125-00-6	<0.1	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)	[1]
Hydrazinecarboxamide, 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]-Benzamide, N-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluoro-	CAS: 116714-46-6	≤0.1	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=1000)	[1]
3,5-Dithia-2,4-diazahexanamide, N-(4,6-dimethoxy-2-pyrimidinyl)-4-methyl-, 3,3,5,5-tetraoxide	EC: 407-380-0 CAS: 120923-37-7 Index: 616-209-00-0	≤0.1	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Aminocarb (ISO)	EC: 217-990-7 CAS: 2032-59-9 Index: 006-018-00-5	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
3,6-Bis(o-chlorophenyl)-1,2,4,5-tetrazine	EC: 277-728-2 CAS: 74115-24-5	≤0.1	Aquatic Chronic 1, H410 (M=10)	[1]
Propargite (ISO)	EC: 219-006-1 CAS: 2312-35-8 Index: 607-151-00-7	<0.1	Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
LC/MS Pesticide Standard #5				
Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
Aldicarb (ISO)	EC: 204-123-2 CAS: 116-06-3 Index: 006-017-00-X	<0.1	Acute Tox. 2, H300 Acute Tox. 3, H311 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=100)	[1]
fenobucarb (ISO)	EC: 223-188-8 CAS: 3766-81-2 Index: 006-085-00-0	≤0.1	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Azoxystrobin	CAS: 131860-33-8 Index: 607-256-00-8	<0.1	Acute Tox. 3, H331 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1]
Dimethyl N,N'-[thiobis[(methylimino)carbonyloxy]]bis(thioimidoacetate)	EC: 261-848-7 CAS: 59669-26-0	<0.1	Acute Tox. 2, H300 Acute Tox. 1, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Pyridaben (ISO)	EC: 405-700-3 CAS: 96489-71-3 Index: 613-149-00-7	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H331 Aquatic Acute 1, H400 (M=1000)	[1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

Thiamethoxam (ISO)	CAS: 153719-23-4 Index: 613-267-00-9	≤0.1	Aquatic Chronic 1, H410 (M=1000) Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
2-(1-Methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine	EC: 429-800-1 CAS: 95737-68-1 Index: 613-303-00-3	≤0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10000)	[1]
Trifloxystrobin (ISO)	CAS: 141517-21-7 Index: 607-424-00-0	≤0.1	Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	[1]
Carbendazim (ISO)	EC: 234-232-0 CAS: 10605-21-7 Index: 613-048-00-8	<0.1	Muta. 1B, H340 Repr. 1B, H360FD (Fertility and Unborn child) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Methabenzthiazuron (ISO)	EC: 242-505-0 CAS: 18691-97-9 Index: 613-137-00-1	≤0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
fenamidone (ISO)	CAS: 161326-34-7 Index: 613-206-00-6	<0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1]
fenazaquin (ISO)	EC: 410-580-0 CAS: 120928-09-8 Index: 613-159-00-1	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H332 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Pyraclostrobin	CAS: 175013-18-0 Index: 613-272-00-6	<0.1	Acute Tox. 3, H331 Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Diuron (ISO)	EC: 206-354-4 CAS: 330-54-1 Index: 006-015-00-9	≤0.1	Acute Tox. 4, H302 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1] [2]
Methomyl (ISO)	EC: 240-815-0 CAS: 16752-77-5 Index: 006-045-00-2	<0.1	Acute Tox. 2, H300 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, (2E)-	CAS: 138261-41-3 Index: 612-252-00-4	<0.1	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1)	[1]
LC/MS Pesticide Standard #6 Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
Trichlorfon (ISO)	EC: 200-149-3 CAS: 52-68-6 Index: 015-021-00-0	≤0.1	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Omethoate (ISO)	EC: 214-197-8 CAS: 1113-02-6 Index: 015-066-00-6	<0.1	Acute Tox. 3, H301 Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=10)	[1]
Flumioxazin (ISO)	CAS: 103361-09-7 Index: 613-166-00-X	≤0.1	Repr. 1B, H360D (Unborn child) Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
Carbaryl (ISO)	EC: 200-555-0 CAS: 63-25-2 Index: 006-011-00-7	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H332 Carc. 2, H351 Aquatic Acute 1, H400 (M=100)	[1]
Propoxur (ISO)	EC: 204-043-8 CAS: 114-26-1	<0.1	Acute Tox. 3, H301 Aquatic Acute 1, H400 (M=1000)	[1] [2]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

2,3-Dihydro-2,2-dimethyl-7-benzofuryl 2,4-dimethyl-6-oxa-5-oxo-3-thia-2,4-diazadecanoate	Index: 006-016-00-4 EC: 265-974-3 CAS: 65907-30-4 Index: 006-087-00-1	<0.1	Aquatic Chronic 1, H410 (M=1) Acute Tox. 3, H301 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=100)	[1]
Butanoic acid, 3,3-dimethyl-, 2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro [4.4]non-3-en-4-yl ester Zoxamide (ISO)	CAS: 283594-90-1 CAS: 156052-68-5 Index: 616-141-00-1	≤0.1 ≤0.1	 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1] [1]
phosmet (ISO)	EC: 211-987-4 CAS: 732-11-6 Index: 015-101-00-5	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
LC/MS Pesticide Standard #7 Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
Mercaptodimethur (ISO)	EC: 217-991-2 CAS: 2032-65-7 Index: 006-023-00-2	<0.1	Acute Tox. 3, H301 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1000)	[1]
Avermectin B1	CAS: 71751-41-2	<0.1	Acute Tox. 1, H300 Acute Tox. 4, H332 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 2, H411	[1]
Spinosad (ISO) (reaction mass of spinosyn A and spinosyn D in ratios between 95:5 to 50:50)	EC: 434-300-1 CAS: 168316-95-8 Index: 603-209-00-0	≤0.1	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
5,5-Dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl) cinnamylidenehydrazone	EC: 405-090-9 CAS: 67485-29-4 Index: 613-181-00-1	≤0.1	Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT RE 1, H372 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)	[1]
1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-	CAS: 272451-65-7	≤0.1	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Ivermectin	EC: 274-536-0 CAS: 70288-86-7	<0.1	Acute Tox. 1, H300 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Chlorotoluron (ISO)	EC: 239-592-2 CAS: 15545-48-9 Index: 616-105-00-5	≤0.1	Carc. 2, H351 Repr. 2, H361d (Unborn child) Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	[1]
Mexacarbate (ISO)	EC: 206-249-3 CAS: 315-18-4 Index: 006-054-00-1	<0.1	Acute Tox. 2, H300 Acute Tox. 4, H312 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
1-(3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl)-3-(2,6-difluorobenzoyl)urea	EC: 401-400-1 CAS: 86479-06-3	≤0.1	Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=100000)	[1]
Temephos	EC: 222-191-1 CAS: 3383-96-8	<0.1	Acute Tox. 4, H302 Acute Tox. 3, H311	[1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 3: Composition/information on ingredients

(2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one	EC: 201-501-9 CAS: 83-79-4 Index: 650-005-00-2	<0.1	Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000) Acute Tox. 3, H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1] [2]
tebuthiuron (ISO)	EC: 251-793-7 CAS: 34014-18-1 Index: 616-020-00-3	≤0.1	Acute Tox. 4, H302 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
LC/MS Pesticide Standard #8 Acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥90	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1] [2]
4-Cyclopropyl-6-methyl-n-phenyl-2-pyrimidinamin	CAS: 121552-61-2 Index: 612-242-00-X	≤0.07	Acute Tox. 4, H332 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
desmedipham (ISO)	EC: 237-198-5 CAS: 13684-56-5 Index: 616-113-00-9	≤0.07	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
Beflubutamid (ISO)	CAS: 113614-08-7 Index: 616-165-00-2	≤0.07	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
Lenacil	EC: 218-499-0 CAS: 2164-08-1 Index: 613-320-00-6	≤0.07	Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
2-Pyridinamine, 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-	CAS: 79622-59-6 Index: 612-287-00-5	≤0.07	Acute Tox. 4, H332 Eye Dam. 1, H318 Skin Sens. 1A, H317 Repr. 2, H361d (Unborn child) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]
1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- Carbofuran (ISO)	CAS: 500008-45-7 EC: 216-353-0 CAS: 1563-66-2 Index: 006-026-00-9	≤0.07 ≤0.07	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) Acute Tox. 2, H300 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	[1] [1]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: LC/MS Pesticide Standard #1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	LC/MS Pesticide Standard #2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	LC/MS Pesticide Standard #3	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	LC/MS Pesticide Standard #4	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	LC/MS Pesticide Standard #5	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	LC/MS Pesticide Standard #6	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	LC/MS Pesticide Standard #7	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	LC/MS Pesticide Standard #8	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: LC/MS Pesticide Standard #1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	LC/MS Pesticide Standard #2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt

SECTION 4: First aid measures

LC/MS Pesticide
Standard #3

or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

LC/MS Pesticide
Standard #4

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

LC/MS Pesticide
Standard #5

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

LC/MS Pesticide
Standard #6

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery

SECTION 4: First aid measures

LC/MS Pesticide
Standard #7

position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

LC/MS Pesticide
Standard #8

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

: LC/MS Pesticide
Standard #1

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

LC/MS Pesticide
Standard #2

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

LC/MS Pesticide
Standard #3

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

LC/MS Pesticide
Standard #4

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to

SECTION 4: First aid measures

		<p>rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
	LC/MS Pesticide Standard #5	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
	LC/MS Pesticide Standard #6	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
	LC/MS Pesticide Standard #7	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
	LC/MS Pesticide Standard #8	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
Ingestion	: LC/MS Pesticide Standard #1	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
	LC/MS Pesticide Standard #2	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
	LC/MS Pesticide Standard #3	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position</p>

SECTION 4: First aid measures

	<p>comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
LC/MS Pesticide Standard #4	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
LC/MS Pesticide Standard #5	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
LC/MS Pesticide Standard #6	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
LC/MS Pesticide Standard #7	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the</p>

SECTION 4: First aid measures

		<p>lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
	LC/MS Pesticide Standard #8	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
Protection of first-aiders	: LC/MS Pesticide Standard #1	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>
	LC/MS Pesticide Standard #2	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>
	LC/MS Pesticide Standard #3	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>
	LC/MS Pesticide Standard #4	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>
	LC/MS Pesticide Standard #5	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>
	LC/MS Pesticide Standard #6	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>

SECTION 4: First aid measures

LC/MS Pesticide Standard #7	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
LC/MS Pesticide Standard #8	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: LC/MS Pesticide Standard #1	Causes serious eye irritation.
	LC/MS Pesticide Standard #2	Causes serious eye irritation.
	LC/MS Pesticide Standard #3	Causes serious eye irritation.
	LC/MS Pesticide Standard #4	Causes serious eye irritation.
	LC/MS Pesticide Standard #5	Causes serious eye irritation.
	LC/MS Pesticide Standard #6	Causes serious eye irritation.
	LC/MS Pesticide Standard #7	Causes serious eye irritation.
	LC/MS Pesticide Standard #8	Causes serious eye irritation.
Inhalation	: LC/MS Pesticide Standard #1	Harmful if inhaled.
	LC/MS Pesticide Standard #2	Harmful if inhaled.
	LC/MS Pesticide Standard #3	Harmful if inhaled.
	LC/MS Pesticide Standard #4	Harmful if inhaled.
	LC/MS Pesticide Standard #5	Harmful if inhaled.
	LC/MS Pesticide Standard #6	Harmful if inhaled.
	LC/MS Pesticide Standard #7	Harmful if inhaled.
	LC/MS Pesticide Standard #8	Harmful if inhaled.
Skin contact	: LC/MS Pesticide Standard #1	Harmful in contact with skin.
	LC/MS Pesticide Standard #2	Harmful in contact with skin.
	LC/MS Pesticide Standard #3	Harmful in contact with skin.
	LC/MS Pesticide Standard #4	Harmful in contact with skin.
	LC/MS Pesticide Standard #5	Harmful in contact with skin.
	LC/MS Pesticide	Harmful in contact with skin.

SECTION 4: First aid measures

	Standard #6		
	LC/MS Pesticide		Harmful in contact with skin.
	Standard #7		
	LC/MS Pesticide		Harmful in contact with skin.
	Standard #8		
Ingestion	:	LC/MS Pesticide	Harmful if swallowed.
		Standard #1	
		LC/MS Pesticide	Harmful if swallowed.
		Standard #2	
		LC/MS Pesticide	Harmful if swallowed.
		Standard #3	
		LC/MS Pesticide	Harmful if swallowed.
		Standard #4	
		LC/MS Pesticide	Harmful if swallowed.
		Standard #5	
		LC/MS Pesticide	Harmful if swallowed.
		Standard #6	
		LC/MS Pesticide	Harmful if swallowed.
		Standard #7	
		LC/MS Pesticide	Harmful if swallowed.
		Standard #8	
<u>Over-exposure signs/symptoms</u>			
Eye contact	:	LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #1	
			pain or irritation
			watering
			redness
		LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #2	
			pain or irritation
			watering
			redness
		LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #3	
			pain or irritation
			watering
			redness
		LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #4	
			pain or irritation
			watering
			redness
		LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #5	
			pain or irritation
			watering
			redness
		LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #6	
			pain or irritation
			watering
			redness
		LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #7	
			pain or irritation
			watering
			redness
		LC/MS Pesticide	Adverse symptoms may include the following:
		Standard #8	
			pain or irritation
			watering

SECTION 4: First aid measures

		redness
Inhalation	: LC/MS Pesticide Standard #1	No specific data.
	LC/MS Pesticide Standard #2	No specific data.
	LC/MS Pesticide Standard #3	No specific data.
	LC/MS Pesticide Standard #4	No specific data.
	LC/MS Pesticide Standard #5	No specific data.
	LC/MS Pesticide Standard #6	No specific data.
	LC/MS Pesticide Standard #7	No specific data.
	LC/MS Pesticide Standard #8	No specific data.
Skin contact	: LC/MS Pesticide Standard #1	No specific data.
	LC/MS Pesticide Standard #2	No specific data.
	LC/MS Pesticide Standard #3	No specific data.
	LC/MS Pesticide Standard #4	No specific data.
	LC/MS Pesticide Standard #5	No specific data.
	LC/MS Pesticide Standard #6	No specific data.
	LC/MS Pesticide Standard #7	No specific data.
	LC/MS Pesticide Standard #8	No specific data.
Ingestion	: LC/MS Pesticide Standard #1	No specific data.
	LC/MS Pesticide Standard #2	No specific data.
	LC/MS Pesticide Standard #3	No specific data.
	LC/MS Pesticide Standard #4	No specific data.
	LC/MS Pesticide Standard #5	No specific data.
	LC/MS Pesticide Standard #6	No specific data.
	LC/MS Pesticide Standard #7	No specific data.
	LC/MS Pesticide Standard #8	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: LC/MS Pesticide Standard #1	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	LC/MS Pesticide Standard #2	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	LC/MS Pesticide Standard #3	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	LC/MS Pesticide Standard #8	In case of inhalation of decomposition products in a fire,

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 4: First aid measures

Standard #4	symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
LC/MS Pesticide Standard #5	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
LC/MS Pesticide Standard #6	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
LC/MS Pesticide Standard #7	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
LC/MS Pesticide Standard #8	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments	:	LC/MS Pesticide Standard #1	No specific treatment.
		LC/MS Pesticide Standard #2	No specific treatment.
		LC/MS Pesticide Standard #3	No specific treatment.
		LC/MS Pesticide Standard #4	No specific treatment.
		LC/MS Pesticide Standard #5	No specific treatment.
		LC/MS Pesticide Standard #6	No specific treatment.
		LC/MS Pesticide Standard #7	No specific treatment.
		LC/MS Pesticide Standard #8	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	LC/MS Pesticide Standard #1	Use dry chemical, CO ₂ , water spray (fog) or foam.
		LC/MS Pesticide Standard #2	Use dry chemical, CO ₂ , water spray (fog) or foam.
		LC/MS Pesticide Standard #3	Use dry chemical, CO ₂ , water spray (fog) or foam.
		LC/MS Pesticide Standard #4	Use dry chemical, CO ₂ , water spray (fog) or foam.
		LC/MS Pesticide Standard #5	Use dry chemical, CO ₂ , water spray (fog) or foam.
		LC/MS Pesticide Standard #6	Use dry chemical, CO ₂ , water spray (fog) or foam.
		LC/MS Pesticide Standard #7	Use dry chemical, CO ₂ , water spray (fog) or foam.
		LC/MS Pesticide Standard #8	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	:	LC/MS Pesticide Standard #1	Do not use water jet.
		LC/MS Pesticide Standard #2	Do not use water jet.
		LC/MS Pesticide Standard #3	Do not use water jet.
		LC/MS Pesticide Standard #4	Do not use water jet.
		LC/MS Pesticide Standard #5	Do not use water jet.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 5: Firefighting measures

LC/MS Pesticide Standard #6	Do not use water jet.
LC/MS Pesticide Standard #7	Do not use water jet.
LC/MS Pesticide Standard #8	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: LC/MS Pesticide Standard #1	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
LC/MS Pesticide Standard #2	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
LC/MS Pesticide Standard #3	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
LC/MS Pesticide Standard #4	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
LC/MS Pesticide Standard #5	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 5: Firefighting measures

	LC/MS Pesticide Standard #6	<p>contained and prevented from being discharged to any waterway, sewer or drain.</p> <p>Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.</p>
	LC/MS Pesticide Standard #7	<p>Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.</p>
	LC/MS Pesticide Standard #8	<p>Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.</p>
Hazardous combustion products	: LC/MS Pesticide Standard #1	<p>Decomposition products may include the following materials:</p> <ul style="list-style-type: none"> carbon dioxide carbon monoxide nitrogen oxides cyanides
	LC/MS Pesticide Standard #2	<p>Decomposition products may include the following materials:</p> <ul style="list-style-type: none"> carbon dioxide carbon monoxide nitrogen oxides cyanides
	LC/MS Pesticide Standard #3	<p>Decomposition products may include the following materials:</p> <ul style="list-style-type: none"> carbon dioxide carbon monoxide nitrogen oxides cyanides
	LC/MS Pesticide Standard #4	<p>Decomposition products may include the following materials:</p> <ul style="list-style-type: none"> carbon dioxide carbon monoxide nitrogen oxides cyanides
	LC/MS Pesticide Standard #5	<p>Decomposition products may include the following materials:</p>

SECTION 5: Firefighting measures

LC/MS Pesticide Standard #6	carbon dioxide carbon monoxide nitrogen oxides cyanides Decomposition products may include the following materials:
LC/MS Pesticide Standard #7	carbon dioxide carbon monoxide nitrogen oxides cyanides Decomposition products may include the following materials:
LC/MS Pesticide Standard #8	carbon dioxide carbon monoxide nitrogen oxides cyanides Decomposition products may include the following materials:

5.3 Advice for firefighters

Special precautions for fire-fighters

: LC/MS Pesticide Standard #1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
LC/MS Pesticide Standard #2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
LC/MS Pesticide Standard #3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
LC/MS Pesticide Standard #4	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
LC/MS Pesticide Standard #5	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
LC/MS Pesticide Standard #6	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
LC/MS Pesticide Standard #7	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
LC/MS Pesticide Standard #8	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be

SECTION 5: Firefighting measures

Special protective equipment for fire-fighters

: LC/MS Pesticide Standard #1

taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

LC/MS Pesticide Standard #2

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

LC/MS Pesticide Standard #3

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

LC/MS Pesticide Standard #4

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

LC/MS Pesticide Standard #5

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

LC/MS Pesticide Standard #6

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

LC/MS Pesticide Standard #7

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

LC/MS Pesticide Standard #8

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

SECTION 6: Accidental release measures

For non-emergency personnel	: LC/MS Pesticide Standard #1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	LC/MS Pesticide Standard #2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	LC/MS Pesticide Standard #3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	LC/MS Pesticide Standard #4	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	LC/MS Pesticide Standard #5	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	LC/MS Pesticide Standard #6	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	LC/MS Pesticide Standard #7	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective

SECTION 6: Accidental release measures

	LC/MS Pesticide Standard #8	equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: LC/MS Pesticide Standard #1	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	LC/MS Pesticide Standard #2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	LC/MS Pesticide Standard #3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	LC/MS Pesticide Standard #4	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	LC/MS Pesticide Standard #5	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	LC/MS Pesticide Standard #6	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	LC/MS Pesticide Standard #7	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	LC/MS Pesticide Standard #8	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: LC/MS Pesticide Standard #1	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
	LC/MS Pesticide Standard #2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
	LC/MS Pesticide Standard #3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

SECTION 6: Accidental release measures

LC/MS Pesticide Standard #4	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
LC/MS Pesticide Standard #5	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
LC/MS Pesticide Standard #6	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
LC/MS Pesticide Standard #7	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
LC/MS Pesticide Standard #8	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : LC/MS Pesticide Standard #1	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
LC/MS Pesticide Standard #2	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
LC/MS Pesticide Standard #3	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
LC/MS Pesticide Standard #4	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
LC/MS Pesticide Standard #5	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 6: Accidental release measures

LC/MS Pesticide Standard #6	of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
LC/MS Pesticide Standard #7	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
LC/MS Pesticide Standard #8	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	: LC/MS Pesticide Standard #1	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
	LC/MS Pesticide Standard #2	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
	LC/MS Pesticide Standard #3	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear

SECTION 7: Handling and storage

LC/MS Pesticide Standard #4	<p>appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.</p> <p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
LC/MS Pesticide Standard #5	<p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
LC/MS Pesticide Standard #6	<p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
LC/MS Pesticide Standard #7	<p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless</p>

SECTION 7: Handling and storage

adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

LC/MS Pesticide Standard #8

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: LC/MS Pesticide Standard #1

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

LC/MS Pesticide Standard #2

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

LC/MS Pesticide Standard #3

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

LC/MS Pesticide Standard #4

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

LC/MS Pesticide Standard #5

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

LC/MS Pesticide Standard #6

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

LC/MS Pesticide Standard #7

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

SECTION 7: Handling and storage

LC/MS Pesticide
Standard #8

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage

: LC/MS Pesticide
Standard #1

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

LC/MS Pesticide
Standard #2

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

LC/MS Pesticide
Standard #3

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

LC/MS Pesticide
Standard #4

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

LC/MS Pesticide

Store in accordance with local regulations. Store in a

SECTION 7: Handling and storage

Standard #5	segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
LC/MS Pesticide Standard #6	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
LC/MS Pesticide Standard #7	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
LC/MS Pesticide Standard #8	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
LC/MS Pesticide Standard #1 P5c E1	5000 100	50000 200
LC/MS Pesticide Standard #2 P5c E1	5000 100	50000 200
LC/MS Pesticide Standard #3		

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 7: Handling and storage

P5c	5000	50000
E1	100	200
LC/MS Pesticide Standard #4		
P5c	5000	50000
E1	100	200
LC/MS Pesticide Standard #5		
P5c	5000	50000
E1	100	200
LC/MS Pesticide Standard #6		
P5c	5000	50000
E1	100	200
LC/MS Pesticide Standard #7		
P5c	5000	50000
E1	100	200
LC/MS Pesticide Standard #8		
P5c	5000	50000
E2	200	500

7.3 Specific end use(s)

Recommendations

- : LC/MS Pesticide Standard #1 Industrial applications, Professional applications.
- LC/MS Pesticide Standard #2 Industrial applications, Professional applications.
- LC/MS Pesticide Standard #3 Industrial applications, Professional applications.
- LC/MS Pesticide Standard #4 Industrial applications, Professional applications.
- LC/MS Pesticide Standard #5 Industrial applications, Professional applications.
- LC/MS Pesticide Standard #6 Industrial applications, Professional applications.
- LC/MS Pesticide Standard #7 Industrial applications, Professional applications.
- LC/MS Pesticide Standard #8 Industrial applications, Professional applications.

Industrial sector specific solutions

- : LC/MS Pesticide Standard #1 Not applicable.
- LC/MS Pesticide Standard #2 Not applicable.
- LC/MS Pesticide Standard #3 Not applicable.
- LC/MS Pesticide Standard #4 Not applicable.
- LC/MS Pesticide Standard #5 Not applicable.
- LC/MS Pesticide Standard #6 Not applicable.
- LC/MS Pesticide Standard #7 Not applicable.
- LC/MS Pesticide Standard #8 Not applicable.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
LC/MS Pesticide Standard #1 Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.
LC/MS Pesticide Standard #2 Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.
Chlorpyrifos (ISO)	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 0.6 mg/m ³ 15 minutes. TWA: 0.2 mg/m ³ 8 hours.
LC/MS Pesticide Standard #3 Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.
Malathion (ISO)	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. TWA: 10 mg/m ³ 8 hours.
LC/MS Pesticide Standard #4 Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.
LC/MS Pesticide Standard #5 Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.
Diuron (ISO)	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours.
LC/MS Pesticide Standard #6 Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.
Propoxur (ISO)	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 2 mg/m ³ 15 minutes. TWA: 0.5 mg/m ³ 8 hours.
LC/MS Pesticide Standard #7	

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 8: Exposure controls/personal protection

Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.
(2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 5 mg/m ³ 8 hours. STEL: 10 mg/m ³ 15 minutes.
LC/MS Pesticide Standard #8 Acetonitrile	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 102 mg/m ³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m ³ 8 hours.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 8: Exposure controls/personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	LC/MS Pesticide Standard #1	Liquid. [Clear.]
		LC/MS Pesticide Standard #2	Liquid. [Clear.]
		LC/MS Pesticide Standard #3	Liquid. [Clear.]
		LC/MS Pesticide Standard #4	Liquid. [Clear.]
		LC/MS Pesticide Standard #5	Liquid. [Clear.]
		LC/MS Pesticide Standard #6	Liquid. [Clear.]
		LC/MS Pesticide Standard #7	Liquid. [Clear.]
		LC/MS Pesticide Standard #8	Liquid. [Clear.]
Colour	:	LC/MS Pesticide Standard #1	Colourless.
		LC/MS Pesticide Standard #2	Colourless.
		LC/MS Pesticide Standard #3	Colourless.
		LC/MS Pesticide Standard #4	Colourless.
		LC/MS Pesticide Standard #5	Colourless.
		LC/MS Pesticide Standard #6	Colourless.
		LC/MS Pesticide Standard #7	Colourless.
		LC/MS Pesticide Standard #8	Colourless.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 9: Physical and chemical properties

Odour	: LC/MS Pesticide Standard #1	Not available.
	LC/MS Pesticide Standard #2	Not available.
	LC/MS Pesticide Standard #3	Not available.
	LC/MS Pesticide Standard #4	Not available.
	LC/MS Pesticide Standard #5	Not available.
	LC/MS Pesticide Standard #6	Not available.
	LC/MS Pesticide Standard #7	Not available.
	LC/MS Pesticide Standard #8	Not available.
Odour threshold	: LC/MS Pesticide Standard #1	70 to 875 ppm
	LC/MS Pesticide Standard #2	70 to 875 ppm
	LC/MS Pesticide Standard #3	70 to 875 ppm
	LC/MS Pesticide Standard #4	70 to 875 ppm
	LC/MS Pesticide Standard #5	70 to 875 ppm
	LC/MS Pesticide Standard #6	70 to 875 ppm
	LC/MS Pesticide Standard #7	70 to 875 ppm
	LC/MS Pesticide Standard #8	70 to 875 ppm
pH	: LC/MS Pesticide Standard #1	Not available.
	LC/MS Pesticide Standard #2	Not available.
	LC/MS Pesticide Standard #3	Not available.
	LC/MS Pesticide Standard #4	Not available.
	LC/MS Pesticide Standard #5	Not available.
	LC/MS Pesticide Standard #6	Not available.
	LC/MS Pesticide Standard #7	Not available.
	LC/MS Pesticide Standard #8	Not available.
Melting point/freezing point	: LC/MS Pesticide Standard #1	-48°C
	LC/MS Pesticide Standard #2	-48°C
	LC/MS Pesticide Standard #3	-48°C
	LC/MS Pesticide Standard #4	-48°C
	LC/MS Pesticide Standard #5	-48°C
	LC/MS Pesticide Standard #6	-48°C

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 9: Physical and chemical properties

	Standard #7	
	LC/MS Pesticide	-48°C
	Standard #8	
Initial boiling point and boiling range	: LC/MS Pesticide	81 to 82°C
	Standard #1	
	LC/MS Pesticide	81 to 82°C
	Standard #2	
	LC/MS Pesticide	81 to 82°C
	Standard #3	
	LC/MS Pesticide	81 to 82°C
	Standard #4	
	LC/MS Pesticide	81 to 82°C
	Standard #5	
	LC/MS Pesticide	81 to 82°C
	Standard #6	
	LC/MS Pesticide	81 to 82°C
	Standard #7	
	LC/MS Pesticide	81 to 82°C
	Standard #8	
Flash point	: LC/MS Pesticide	Closed cup: 5.55°C
	Standard #1	
	LC/MS Pesticide	Closed cup: 5.55°C
	Standard #2	
	LC/MS Pesticide	Closed cup: 5.55°C
	Standard #3	
	LC/MS Pesticide	Closed cup: 5.55°C
	Standard #4	
	LC/MS Pesticide	Closed cup: 5.55°C
	Standard #5	
	LC/MS Pesticide	Closed cup: 5.55°C
	Standard #6	
	LC/MS Pesticide	Closed cup: 5.55°C
	Standard #7	
	LC/MS Pesticide	Closed cup: 5.55°C
	Standard #8	
Evaporation rate	: LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #1	
	LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #2	
	LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #3	
	LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #4	
	LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #5	
	LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #6	
	LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #7	
	LC/MS Pesticide	5.79 (butyl acetate = 1)
	Standard #8	
Flammability (solid, gas)	: LC/MS Pesticide	Not applicable.
	Standard #1	
	LC/MS Pesticide	Not applicable.
	Standard #2	
	LC/MS Pesticide	Not applicable.
	Standard #3	
	LC/MS Pesticide	Not applicable.
	Standard #4	
	LC/MS Pesticide	Not applicable.
	Standard #5	

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 9: Physical and chemical properties

	LC/MS Pesticide Standard #6	Not applicable.
	LC/MS Pesticide Standard #7	Not applicable.
	LC/MS Pesticide Standard #8	Not applicable.
Upper/lower flammability or explosive limits	: LC/MS Pesticide Standard #1	Lower: 4.4%
		Upper: 16%
	LC/MS Pesticide Standard #2	Lower: 4.4%
		Upper: 16%
	LC/MS Pesticide Standard #3	Lower: 4.4%
		Upper: 16%
	LC/MS Pesticide Standard #4	Lower: 4.4%
		Upper: 16%
	LC/MS Pesticide Standard #5	Lower: 4.4%
		Upper: 16%
	LC/MS Pesticide Standard #6	Lower: 4.4%
		Upper: 16%
	LC/MS Pesticide Standard #7	Lower: 4.4%
		Upper: 16%
	LC/MS Pesticide Standard #8	Lower: 4.4%
		Upper: 16%
Vapour pressure	: LC/MS Pesticide Standard #1	9.7 kPa [room temperature]
	LC/MS Pesticide Standard #2	9.7 kPa [room temperature]
	LC/MS Pesticide Standard #3	9.7 kPa [room temperature]
	LC/MS Pesticide Standard #4	9.7 kPa [room temperature]
	LC/MS Pesticide Standard #5	9.7 kPa [room temperature]
	LC/MS Pesticide Standard #6	9.7 kPa [room temperature]
	LC/MS Pesticide Standard #7	9.7 kPa [room temperature]
	LC/MS Pesticide Standard #8	9.7 kPa [room temperature]
Vapour density	: LC/MS Pesticide Standard #1	1.41 [Air = 1]
	LC/MS Pesticide Standard #2	1.41 [Air = 1]
	LC/MS Pesticide Standard #3	1.41 [Air = 1]
	LC/MS Pesticide Standard #4	1.41 [Air = 1]
	LC/MS Pesticide Standard #5	1.41 [Air = 1]
	LC/MS Pesticide Standard #6	1.41 [Air = 1]
	LC/MS Pesticide Standard #7	1.41 [Air = 1]
	LC/MS Pesticide Standard #8	1.41 [Air = 1]

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 9: Physical and chemical properties

	Standard #8	
Relative density	: LC/MS Pesticide Standard #1	0.782 [Water = 1]
	LC/MS Pesticide Standard #2	0.782 [Water = 1]
	LC/MS Pesticide Standard #3	0.782 [Water = 1]
	LC/MS Pesticide Standard #4	0.782 [Water = 1]
	LC/MS Pesticide Standard #5	0.782 [Water = 1]
	LC/MS Pesticide Standard #6	0.782 [Water = 1]
	LC/MS Pesticide Standard #7	0.782 [Water = 1]
	LC/MS Pesticide Standard #8	0.782 [Water = 1]
Solubility(ies)	: LC/MS Pesticide Standard #1	Soluble in the following materials: cold water and hot water.
	LC/MS Pesticide Standard #2	Soluble in the following materials: cold water and hot water.
	LC/MS Pesticide Standard #3	Soluble in the following materials: cold water and hot water.
	LC/MS Pesticide Standard #4	Soluble in the following materials: cold water and hot water.
	LC/MS Pesticide Standard #5	Soluble in the following materials: cold water and hot water.
	LC/MS Pesticide Standard #6	Soluble in the following materials: cold water and hot water.
	LC/MS Pesticide Standard #7	Soluble in the following materials: cold water and hot water.
	LC/MS Pesticide Standard #8	Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: LC/MS Pesticide Standard #1	Not available.
	LC/MS Pesticide Standard #2	Not available.
	LC/MS Pesticide Standard #3	Not available.
	LC/MS Pesticide Standard #4	Not available.
	LC/MS Pesticide Standard #5	Not available.
	LC/MS Pesticide Standard #6	Not available.
	LC/MS Pesticide Standard #7	Not available.
	LC/MS Pesticide Standard #8	Not available.
Auto-ignition temperature	: LC/MS Pesticide Standard #1	274°C
	LC/MS Pesticide Standard #2	247°C
	LC/MS Pesticide Standard #3	247°C
	LC/MS Pesticide Standard #4	247°C
	LC/MS Pesticide Standard #5	247°C
	LC/MS Pesticide Standard #6	247°C

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 9: Physical and chemical properties

	LC/MS Pesticide Standard #7	247°C
	LC/MS Pesticide Standard #8	247°C
Decomposition temperature	: LC/MS Pesticide Standard #1	Not available.
	LC/MS Pesticide Standard #2	Not available.
	LC/MS Pesticide Standard #3	Not available.
	LC/MS Pesticide Standard #4	Not available.
	LC/MS Pesticide Standard #5	Not available.
	LC/MS Pesticide Standard #6	Not available.
	LC/MS Pesticide Standard #7	Not available.
	LC/MS Pesticide Standard #8	Not available.
Viscosity	: LC/MS Pesticide Standard #1	Not available.
	LC/MS Pesticide Standard #2	Not available.
	LC/MS Pesticide Standard #3	Not available.
	LC/MS Pesticide Standard #4	Not available.
	LC/MS Pesticide Standard #5	Not available.
	LC/MS Pesticide Standard #6	Not available.
	LC/MS Pesticide Standard #7	Not available.
	LC/MS Pesticide Standard #8	Not available.
Explosive properties	: LC/MS Pesticide Standard #1	Not available.
	LC/MS Pesticide Standard #2	Not available.
	LC/MS Pesticide Standard #3	Not available.
	LC/MS Pesticide Standard #4	Not available.
	LC/MS Pesticide Standard #5	Not available.
	LC/MS Pesticide Standard #6	Not available.
	LC/MS Pesticide Standard #7	Not available.
	LC/MS Pesticide Standard #8	Not available.
Oxidising properties	: LC/MS Pesticide Standard #1	Not available.
	LC/MS Pesticide Standard #2	Not available.
	LC/MS Pesticide Standard #3	Not available.
	LC/MS Pesticide Standard #4	Not available.
	LC/MS Pesticide Standard #5	Not available.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 9: Physical and chemical properties

Standard #5 LC/MS Pesticide	Not available.
Standard #6 LC/MS Pesticide	Not available.
Standard #7 LC/MS Pesticide	Not available.
Standard #8	

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: LC/MS Pesticide Standard #1 LC/MS Pesticide Standard #2 LC/MS Pesticide Standard #3 LC/MS Pesticide Standard #4 LC/MS Pesticide Standard #5 LC/MS Pesticide Standard #6 LC/MS Pesticide Standard #7 LC/MS Pesticide Standard #8	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: LC/MS Pesticide Standard #1 LC/MS Pesticide Standard #2 LC/MS Pesticide Standard #3 LC/MS Pesticide Standard #4 LC/MS Pesticide Standard #5 LC/MS Pesticide Standard #6 LC/MS Pesticide Standard #7 LC/MS Pesticide Standard #8	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: LC/MS Pesticide Standard #1 LC/MS Pesticide Standard #2 LC/MS Pesticide Standard #3 LC/MS Pesticide Standard #4 LC/MS Pesticide Standard #5 LC/MS Pesticide Standard #6 LC/MS Pesticide	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous

SECTION 10: Stability and reactivity

Standard #7 reactions will not occur.
 LC/MS Pesticide Under normal conditions of storage and use, hazardous
 Standard #8 reactions will not occur.

10.4 Conditions to avoid : LC/MS Pesticide Standard #1 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

LC/MS Pesticide Standard #2 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

LC/MS Pesticide Standard #3 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

LC/MS Pesticide Standard #4 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

LC/MS Pesticide Standard #5 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

LC/MS Pesticide Standard #6 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

LC/MS Pesticide Standard #7 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

LC/MS Pesticide Standard #8 Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

10.5 Incompatible materials : LC/MS Pesticide Standard #1 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard #2 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard #3 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard #4 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard #5 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard #6 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard #7 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard #8 Reactive or incompatible with the following materials:
 oxidizing materials

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products	: LC/MS Pesticide Standard #1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	LC/MS Pesticide Standard #2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	LC/MS Pesticide Standard #3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	LC/MS Pesticide Standard #4	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	LC/MS Pesticide Standard #5	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	LC/MS Pesticide Standard #6	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	LC/MS Pesticide Standard #7	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	LC/MS Pesticide Standard #8	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
LC/MS Pesticide Standard #1				
Acetonitrile	LC50 Inhalation Vapour	Rat	17100 ppm	4 hours
	LD50 Oral	Rat	2460 mg/kg	-
Methamidophos (ISO)	LC50 Inhalation Dusts and mists	Rat	162 mg/m ³	4 hours
	LD50 Dermal	Rabbit	100 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	7500 µg/kg	-
Azinphos-ethyl (ISO)	LD50 Dermal	Rat	250 mg/kg	-
	LD50 Oral	Rat	7 mg/kg	-
Fenamiphos (ISO)	LC50 Inhalation Dusts and mists	Rat	91 mg/m ³	4 hours
	LD50 Dermal	Rabbit	178 mg/kg	-
	LD50 Dermal	Rat	80 mg/kg	-
	LD50 Oral	Rat	8 mg/kg	-
Lenacil	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	11000 mg/kg	-
Flufenacet (ISO)	LD50 Oral	Rat	589 mg/kg	-
Disulfoton (ISO)	LC50 Inhalation Dusts and mists	Rat	90 mg/m ³	1 hours
	LC50 Inhalation Vapour	Rat	180 ppb	1 hours
	LD50 Dermal	Rat	3.6 mg/kg	-
	LD50 Oral	Rat	2600 µg/kg	-
	LD50 Dermal	Rat	>5 g/kg	-
4H-1,3,5-Thiadiazin-4-one, 2-[(1,1-dimethylethyl)imino] tetrahydro-3-(1-methylethyl) -5-phenyl-				
	LD50 Oral	Rat	2198 mg/kg	-
Spiroxamine (ISO)	LC50 Inhalation Vapour	Rat	1982 g/m ³	4 hours
	LD50 Dermal	Rat	1068 mg/kg	-
Azinphos-methyl (ISO)	LC50 Inhalation Dusts and mists	Rat	34.5 mg/m ³	4 hours
	LD50 Oral	Rat	7 mg/kg	-
cyproconazole (ISO)	LD50 Oral	Rat	1020 mg/kg	-
LC/MS Pesticide Standard #2				
Acetonitrile	LC50 Inhalation Vapour	Rat	17100 ppm	4 hours
	LD50 Oral	Rat	2460 mg/kg	-
1-[2-(Allyloxy)-2-(2,	LC50 Inhalation Dusts and mists	Rat	16 g/m ³	4 hours

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

4-dichlorophenyl)ethyl]-1H-imidazole	LD50 Dermal	Rabbit	4200 mg/kg	-
	LD50 Dermal	Rat	4200 mg/kg	-
	LD50 Oral	Rat	227 mg/kg	-
Chlorfenvinphos (ISO)	LD50 Oral	Rat	10 mg/kg	-
Chlorpyrifos-methyl	LD50 Dermal	Rat	3713 mg/kg	-
	LD50 Oral	Rat	1828 mg/kg	-
Propiconazole (ISO)	LC50 Inhalation Dusts and mists	Rat	1264 mg/m ³	4 hours
	LD50 Oral	Rat	1517 mg/kg	-
Tebuconazole (ISO)	LC50 Inhalation Dusts and mists	Rat	0.371 g/m ³	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Dermal	Rat	>5 g/kg	-
	LD50 Oral	Rat	3352 mg/kg	-
Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (2-methyl[1,1'-biphenyl]-3-yl)methyl ester, (1R,3R)-rel-	LC50 Inhalation Dusts and mists	Rat	1.01 mg/l	4 hours
	LD50 Oral	Rat	54500 µg/kg	-
S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethyl thiophosphate	LD50 Oral	Rat	1040 mg/kg	-
Diazinon (ISO)	LC50 Inhalation Dusts and mists	Rat	3.5 g/m ³	4 hours
	LD50 Dermal	Rabbit	3.6 g/kg	-
	LD50 Dermal	Rat	180 mg/kg	-
	LD50 Oral	Rat	66 mg/kg	-
Dichlorvos (ISO)	LC50 Inhalation Dusts and mists	Rat	15 mg/m ³	4 hours
	LD50 Dermal	Rabbit	107 mg/kg	-
	LD50 Dermal	Rat	0.75 mg/kg	-
	LD50 Oral	Rat	17 mg/kg	-
Ethion (ISO)	LD50 Dermal	Rat	62 mg/kg	-
	LD50 Oral	Rat	13 mg/kg	-
BROMUCONAZOLE	LD50 Oral	Rat	365 mg/kg	-
Coumaphos (ISO)	LD50 Dermal	Rabbit	500 mg/kg	-
	LD50 Dermal	Rat	860 mg/kg	-
	LD50 Oral	Rat	13 mg/kg	-
Chlorpyrifos (ISO)	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Dermal	Rat	202 mg/kg	-
	LD50 Oral	Rat	82 mg/kg	-
Ethoprophos (ISO)	LD50 Dermal	Rabbit	2.4 mg/kg	-
	LD50 Dermal	Rat	60 mg/kg	-
	LD50 Oral	Rat	33 mg/kg	-
LC/MS Pesticide Standard #3				
Acetonitrile	LC50 Inhalation Vapour	Rat	17100 ppm	4 hours
	LD50 Oral	Rat	2460 mg/kg	-
S-tert-Butylthiomethyl O,O-diethylphosphorodithioate	LD50 Dermal	Rabbit	1 mg/kg	-
	LD50 Dermal	Rat	7.4 mg/kg	-
	LD50 Oral	Rat	1.6 mg/kg	-
Succinic acid, mercapto-, diethyl ester, S-ester with O,O-dimethylphosphorothioate	LD50 Dermal	Rabbit	119 mg/kg	-
	LD50 Oral	Rat	158 mg/kg	-
Pirimicarb (ISO)	LD50 Dermal	Rabbit	500 mg/kg	-
	LD50 Dermal	Rat	500 mg/kg	-
	LD50 Oral	Rat	68 mg/kg	-
Pirimiphos-methyl (ISO)	LD50 Oral	Rat	1250 mg/kg	-

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

Quinalphos (ISO)	LD50 Dermal	Rat	300 mg/kg	-
	LD50 Oral	Rat	26 mg/kg	-
Profenofos (ISO)	LC50 Inhalation Dusts and mists	Rat	3 g/m ³	4 hours
	LD50 Dermal	Rabbit	192 mg/kg	-
	LD50 Dermal	Rat	1610 mg/kg	-
Phosphamidon	LD50 Oral	Rat	358 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	135 mg/m ³	4 hours
	LD50 Dermal	Rabbit	80 mg/kg	-
	LD50 Dermal	Rat	125 mg/kg	-
Phenthoate (ISO)	LD50 Oral	Rat	8 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	59 mg/m ³	4 hours
	LD50 Dermal	Rat	700 mg/kg	-
Methidathion (ISO)	LD50 Oral	Rat	71 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	50 mg/m ³	4 hours
	LD50 Dermal	Rabbit	196 mg/kg	-
Trans-isopropyl-3-[[(ethylamino) methoxyfosfinothioyl]oxy] crotonate	LD50 Dermal	Rat	25 mg/kg	-
	LD50 Oral	Rat	20 mg/kg	-
	LD50 Dermal	Rat	564 mg/kg	-
Dichloro-N-[(dimethylamino) sulphonyl]fluoro-N-(p-tolyl) methanesulphenamide liquid	LD50 Oral	Rat	62400 µg/kg	-
	LC50 Inhalation Dusts and mists	Rat	300 mg/m ³	4 hours
1H-1,2,4-Triazole, 1-[[2- [2-chloro-4- (4-chlorophenoxy)phenyl] -4-methyl-1,3-dioxolan-2-yl] methyl]-	LD50 Dermal	Rat	500 mg/kg	-
	LD50 Oral	Rat	1 g/kg	-
	LC50 Inhalation Dusts and mists	Rat	3300 mg/m ³	4 hours
quinoxifen (ISO)	LD50 Dermal	Rat	2010 mg/kg	-
	LD50 Oral	Rat	1453 mg/kg	-
Malathion (ISO)	LD50 Oral	Rat	5000 mg/kg	-
	LC50 Inhalation Vapour	Rat	43790 µg/m ³	4 hours
	LD50 Dermal	Rabbit	4100 mg/kg	-
2-Chloro-2'-ethyl-N- (2-methoxy-1-methylethyl)-6'- methylacetanilide	LD50 Oral	Rat	290 mg/kg	-
	LD50 Dermal	Rabbit	>10 g/kg	-
Oxadiazon (ISO)	LD50 Dermal	Rat	3170 mg/kg	-
	LD50 Oral	Rat	2200 mg/kg	-
	LD50 Dermal	Rat	5200 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
N-(1-Ethylpropyl)-2,6-dinitro- 3,4-xylidine	LC50 Inhalation Dusts and mists	Rat	320 g/m ³	4 hours
	LD50 Dermal	Rabbit	2260 mg/kg	-
Molinate (ISO)	LD50 Oral	Rat	1050 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	2100 mg/m ³	1 hours
	LD50 Dermal	Rabbit	3536 mg/kg	-
	LD50 Dermal	Rat	1167 mg/kg	-
	LD50 Oral	Rat	369 mg/kg	-
2-Chloro-N-(2, 6-dimethylphenyl)-N-(1H- pyrazol-1-ylmethyl)acetamide	LD50 Dermal	Rat	>6810 mg/kg	-
	LD50 Oral	Rat	1 g/kg	-
Mecarbam (ISO)	LD50 Dermal	Rat	380 mg/kg	-
	LD50 Oral	Rat	31 mg/kg	-
Triazophos (ISO)	LC50 Inhalation Dusts and mists	Rat	280 mg/m ³	4 hours
	LD50 Dermal	Rat	1100 mg/kg	-

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

1H-Pyrazole-5-carboxamide, 4-chloro-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-3-ethyl-1-methyl-Mevinphos (ISO)	LD50 Oral	Rat	57 mg/kg	-
	LD50 Oral	Rat	595 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	0.125 g/m ³	1 hours
	LC50 Inhalation Vapour	Rat	14 ppm	1 hours
	LD50 Dermal	Rabbit	4700 µg/kg	-
	LD50 Dermal	Rat	4200 µg/kg	-
	LD50 Oral	Rat	3 mg/kg	-
Phosalone	LD50 Dermal	Rabbit	1 g/kg	-
	LD50 Dermal	Rat	390 mg/kg	-
	LD50 Oral	Rat	85 mg/kg	-
LC/MS Pesticide Standard #4				
Acetonitrile	LC50 Inhalation Vapour	Rat	17100 ppm	4 hours
Monocrotophos (ISO)	LD50 Oral	Rat	2460 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	63 mg/m ³	4 hours
	LD50 Dermal	Rabbit	270 mg/kg	-
fipronil (ISO)	LD50 Dermal	Rat	112 mg/kg	-
	LD50 Oral	Rat	8 mg/kg	-
	LD50 Dermal	Rabbit	354 mg/kg	-
N-[[4-(chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide	LD50 Oral	Rat	97 mg/kg	-
	LD50 Dermal	Rabbit	2 g/kg	-
Carfentrazone-ethyl (ISO)	LD50 Dermal	Rat	>10 g/kg	-
	LC50 Inhalation Dusts and mists	Rat	5.09 mg/l	4 hours
Kresoxim-methyl (ISO)	LD50 Oral	Rat	>5000 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	5.6 g/m ³	4 hours
	LD50 Dermal	Rat	2000 mg/kg	-
Phoxim (ISO)	LD50 Oral	Rat	5000 mg/kg	-
	LD50 Dermal	Rat	1 g/kg	-
Chlorsulfuron (ISO)	LD50 Oral	Rat	300 mg/kg	-
	LD50 Dermal	Rabbit	2500 mg/kg	-
Linuron (ISO)	LD50 Oral	Rat	5545 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	48 mg/m ³	4 hours
	LD50 Dermal	Rabbit	>5 g/kg	-
Metribuzin (ISO)	LD50 Oral	Rat	1146 mg/kg	-
	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Dermal	Rat	2 g/kg	-
Methyl 2-(3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)3-methylureidosulphonyl)benzoate	LD50 Oral	Rat	1100 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Metsulfuron-methyl Cyazofamid (ISO)	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
Flazasulfuron (ISO)	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5 g/kg	-
hexythiazox (ISO)	LD50 Dermal	Rat	>5 g/kg	-
	LD50 Oral	Rat	>5 g/kg	-
Hydrazinecarboxamide, 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]-	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rat	>5000 mg/kg	-
Benzamide, N-[[[3-chloro-4-[1,1,2-trifluoro-2-	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluoro-Aminocarb (ISO)	LD50 Dermal LD50 Oral	Rat Rat	275 mg/kg 30 mg/kg	- -
Benzamide, N-[[[3,5-dichloro-2,4-difluorophenyl]amino]carbonyl]-2,6-difluoro-Propargite (ISO)	LD50 Oral	Rat	>5 g/kg	-
	LC50 Inhalation Dusts and mists	Rat - Male, Female	0.89 mg/l	4 hours
	LD50 Dermal	Rabbit	10300 mg/kg	-
	LD50 Dermal	Rat	250 mg/kg	-
	LD50 Oral	Rat	1480 mg/kg	-
LC/MS Pesticide Standard #5				
Acetonitrile	LC50 Inhalation Vapour	Rat	17100 ppm	4 hours
	LD50 Oral	Rat	2460 mg/kg	-
Aldicarb (ISO)	LD50 Dermal	Rabbit	5 mg/kg	-
	LD50 Dermal	Rat	2500 µg/kg	-
	LD50 Oral	Rat	0.46 mg/kg	-
fenobucarb (ISO)	LD50 Dermal	Rat	>5 g/kg	-
	LD50 Oral	Rat	350 mg/kg	-
Dimethyl N,N'-[thiobis[(methylimino)carbonyloxy]]bis(thioimidoacetate)	LC50 Inhalation Vapour	Rat	220 mg/m ³	4 hours
	LD50 Dermal	Rabbit	6310 mg/kg	-
	LD50 Oral	Rat	39 mg/kg	-
pyridaben (ISO)	LD50 Oral	Rat	570 mg/kg	-
Thiamethoxam (ISO)	LD50 Oral	Rat	1563 mg/kg	-
Carbendazim (ISO)	LD50 Dermal	Rabbit	8500 mg/kg	-
	LD50 Dermal	Rat	2 g/kg	-
	LD50 Oral	Rat	>5050 mg/kg	-
fenazaquin (ISO)	LD50 Oral	Rat	134 mg/kg	-
Cyanamide, N-[3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]-, [N(Z)]-	LC50 Inhalation Dusts and mists	Rat	1223 mg/m ³	4 hours
	LD50 Oral	Rat	444 mg/kg	-
Diuron (ISO)	LD50 Dermal	Rat	>5 g/kg	-
	LD50 Oral	Rat	1 g/kg	-
Methomyl (ISO)	LC50 Inhalation Vapour	Rat	0.3 g/m ³	4 hours
	LC50 Inhalation Vapour	Rat	77 ppm	4 hours
	LD50 Dermal	Rabbit	556 mg/kg	-
	LD50 Dermal	Rat	1000 mg/kg	-
	LD50 Oral	Rat	12 mg/kg	-
	LD50 Dermal	Rat	>5000 mg/kg	-
2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, (2E)-	LD50 Oral	Rat	410 mg/kg	-
LC/MS Pesticide Standard #6				
Acetonitrile	LC50 Inhalation Vapour	Rat	17100 ppm	4 hours
	LD50 Oral	Rat	2460 mg/kg	-
Trichlorfon (ISO)	LD50 Dermal	Rat	2 g/kg	-
	LD50 Oral	Rat	450 mg/kg	-
Omethoate (ISO)	LD50 Dermal	Rat	700 mg/kg	-
	LD50 Oral	Rat	30 mg/kg	-
Flumioxazin (ISO)	LD50 Oral	Rat	>5000 mg/kg	-
Carbaryl (ISO)	LD50 Dermal	Rabbit	2 g/kg	-
	LD50 Dermal	Rat	4 g/kg	-

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

Propoxur (ISO)	LD50 Oral	Rat	230 mg/kg	-	
	LC50 Inhalation Dusts and mists	Rat	1440 mg/m ³	1 hours	
	LC50 Inhalation Dusts and mists	Rat	360 mg/m ³	4 hours	
	LD50 Dermal	Rabbit	500 mg/kg	-	
	LD50 Dermal	Rat	800 mg/kg	-	
2,3-Dihydro-2,2-dimethyl-7-benzofuryl 2,4-dimethyl-6-oxa-5-oxo-3-thia-2,4-diazadecanoate	LD50 Oral	Rat	41 mg/kg	-	
	LC50 Inhalation Dusts and mists	Rat	214 mg/m ³	4 hours	
	LD50 Oral	Rat	53 mg/kg	-	
Methanesulfonamide, N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]-	LC50 Inhalation Dusts and mists	Rat	>4.14 mg/l	4 hours	
	LD50 Dermal	Rat	>2000 mg/kg	-	
Zoxamide (ISO)	LD50 Oral	Rat	285 mg/kg	-	
	LC50 Inhalation Dusts and mists	Rat	5.3 g/m ³	4 hours	
	LD50 Dermal	Rat	2000 mg/kg	-	
phosmet (ISO)	LD50 Oral	Rat	5000 mg/kg	-	
	LC50 Inhalation Dusts and mists	Rat	54 mg/m ³	4 hours	
	LD50 Dermal	Rat	1326 mg/kg	-	
LD50 Oral	Rat	92500 µg/kg	-		
	LC/MS Pesticide Standard #7				
	Acetonitrile	LC50 Inhalation Vapour	Rat	17100 ppm	4 hours
Mercaptodimethur (ISO)	LD50 Oral	Rat	2460 mg/kg	-	
	LD50 Dermal	Rabbit	2000 mg/kg	-	
	LD50 Dermal	Rat	300 mg/kg	-	
	LD50 Oral	Rat	13 mg/kg	-	
Avermectin B1	LC50 Inhalation Dusts and mists	Rat	1100 mg/m ³	4 hours	
	LD50 Oral	Rat	1.5 mg/kg	-	
Spinosad (ISO) (reaction mass of spinosyn A and spinosyn D in ratios between 95:5 to 50:50)	LD50 Dermal	Rabbit	>5000 mg/kg	-	
	LD50 Dermal	Rat	2800 mg/kg	-	
	LD50 Oral	Rat	3.738 mg/kg	-	
5,5-Dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl) cinnamylidenehydrazone	LD50 Dermal	Rabbit	>5 g/kg	-	
	LD50 Dermal	Rat	1502 mg/kg	-	
	LD50 Oral	Rat	817 mg/kg	-	
Ivermectin	LD50 Oral	Rat	2 mg/kg	-	
Chlorotoluron (ISO)	LD50 Oral	Rat	5800 mg/kg	-	
Mexacarbate (ISO)	LD50 Oral	Rat	8.5 mg/kg	-	
	LD50 Dermal	Rat	>5 g/kg	-	
1-(3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl)-3-(2,6-difluorobenzoyl)urea	LD50 Oral	Rat	>5 g/kg	-	
	LD50 Dermal	Rabbit	970 mg/kg	-	
	LD50 Dermal	Rat	1370 mg/kg	-	
	LD50 Oral	Rat	1 g/kg	-	
	LD50 Oral	Rat	25 mg/kg	-	
Temephos	LD50 Oral	Rat	>5 g/kg	-	
	LD50 Dermal	Rabbit	970 mg/kg	-	
(2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]	LD50 Dermal	Rat	1370 mg/kg	-	
	LD50 Oral	Rat	1 g/kg	-	
	LD50 Oral	Rat	25 mg/kg	-	

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

furo[2,3-h]chromen-6-one tebuthiuron (ISO)	LD50 Dermal LD50 Oral	Rat Rat	>5 g/kg 644 mg/kg	- -
LC/MS Pesticide Standard #8				
Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
4-Cyclopropyl-6-methyl-n-phenyl-2-pyrimidinamin	LD50 Dermal	Rabbit	>2000 mg/kg	-
desmedipham (ISO)	LD50 Oral	Rat	>2000 mg/kg	-
Lenacil	LD50 Oral LD50 Dermal	Rat Rabbit	9600 mg/kg >5 g/kg	- -
[1,2,4]Triazolo[1,5-a] pyrimidine-2-sulfonamide, N- (2,6-difluorophenyl) -5-methyl-	LD50 Oral	Rat	11000 mg/kg	-
Carbofuran (ISO)	LD50 Dermal LD50 Dermal LD50 Oral	Rabbit Rat Rat	885 mg/kg 120 mg/kg 5 mg/kg	- - -

Acute toxicity estimates

Route	ATE value
LC/MS Pesticide Standard #1	
Oral	501.5 mg/kg
Dermal	1103.3 mg/kg
Inhalation (vapours)	11.03 mg/l
LC/MS Pesticide Standard #2	
Oral	501.8 mg/kg
Dermal	1103.9 mg/kg
Inhalation (vapours)	11.04 mg/l
LC/MS Pesticide Standard #3	
Oral	502.5 mg/kg
Dermal	1105.6 mg/kg
Inhalation (vapours)	11.06 mg/l
LC/MS Pesticide Standard #4	
Oral	502.9 mg/kg
Dermal	1106.3 mg/kg
Inhalation (vapours)	11.06 mg/l
LC/MS Pesticide Standard #5	
Oral	501.8 mg/kg
Dermal	1104 mg/kg
Inhalation (vapours)	11.04 mg/l
LC/MS Pesticide Standard #6	
Oral	501.2 mg/kg
Dermal	1102.7 mg/kg
Inhalation (vapours)	11.03 mg/l
LC/MS Pesticide Standard #7	
Oral	501.7 mg/kg
Dermal	1103.8 mg/kg
Inhalation (vapours)	11.04 mg/l
LC/MS Pesticide Standard #8	

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

Oral	501.1 mg/kg
Dermal	1102.4 mg/kg
Inhalation (vapours)	11.02 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
LC/MS Pesticide Standard #1					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
cyproconazole (ISO)	Eyes - Mild irritant	Rabbit	-	60 milligrams	-
LC/MS Pesticide Standard #2					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
1-[2-(Allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole	Eyes - Moderate irritant	Rabbit	-	49 milligrams	-
Chlorpyrifos-methyl	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Diazinon (ISO)	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	500 milligrams	-
LC/MS Pesticide Standard #3					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Quinalphos (ISO)	Eyes - Severe irritant	Rabbit	-	100 microliters	-
Methidathion (ISO)	Eyes - Severe irritant	Rabbit	-	24400 Micrograms	-
2-Chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	334 milligrams	-
1H-Pyrazole-5-carboxamide, 4-chloro-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-3-ethyl-1-methyl-	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
LC/MS Pesticide Standard #4					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
LC/MS Pesticide Standard #5					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

LC/MS Pesticide Standard #6	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Trichlorfon (ISO)	Eyes - Mild irritant	Rabbit	-	144 hours 120 milligrams	-
	Eyes - Mild irritant	Rabbit	-	Intermittent 24 hours 500 milligrams	-
Carbaryl (ISO)	Skin - Severe irritant	Rabbit	-	24 hours 12 milligrams	-
LC/MS Pesticide Standard #7					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Temephos	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
(2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one	Eyes - Mild irritant	Rabbit	-	1 Percent	-
LC/MS Pesticide Standard #8					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Carbofuran (ISO)	Skin - Mild irritant	Rabbit	-	500 milligrams	-

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

Product/ingredient name	Category	Route of exposure	Target organs
LC/MS Pesticide Standard #3 Dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl) methanesulphenamide liquid	Category 3	Not applicable.	Respiratory tract irritation
LC/MS Pesticide Standard #5 Cyanamide, N-[3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]-, [N(Z)]-	Category 3	Not applicable.	Narcotic effects
LC/MS Pesticide Standard #7 (2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
LC/MS Pesticide Standard #1 Flufenacet (ISO) 4H-1,3,5-Thiadiazin-4-one, 2-[(1,1-dimethylethyl)imino] tetrahydro-3-(1-methylethyl)-5-phenyl- Spiroxamine (ISO) cyproconazole (ISO)	Category 2 Category 2 Category 2 Category 2	Not determined Not determined Not determined Not determined	Not determined Not determined eyes liver
LC/MS Pesticide Standard #2 Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (2-methyl[1,1'-biphenyl]-3-yl)methyl ester, (1R,3R)-rel-	Category 1	Not determined	nervous system
LC/MS Pesticide Standard #3 Dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl) methanesulphenamide liquid Molinate (ISO) 1H-Pyrazole-5-carboxamide, 4-chloro-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-3-ethyl-1-methyl-	Category 1 Category 2 Category 2	Not determined Not determined Not determined	Not determined Not determined gastrointestinal tract
LC/MS Pesticide Standard #4 fipronil (ISO) famoxadone (ISO) Linuron (ISO) Hydrazinecarboxamide, 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]-	Category 1 Category 2 Category 2 Category 2	Not determined Not determined Not determined Not determined	Not determined Not determined Not determined Not determined
LC/MS Pesticide Standard #5 Diuron (ISO)	Category 2	Not determined	Not determined
LC/MS Pesticide Standard #6 2,3-Dihydro-2,2-dimethyl-7-benzofuryl 2,4-dimethyl-6-oxa-5-oxo-3-thia-2,4-diazadecanoate	Category 2	Not determined	Not determined
LC/MS Pesticide Standard #7 Avermectin B1 5,5-Dimethyl-perhydro-pyrimidin-2-one α -(4-trifluoromethylstyryl)- α -(4-trifluoromethyl) cinnamylidenehydrazone Ivermectin	Category 1 Category 1 Category 2	Not determined Not determined Not determined	nervous system Not determined Not determined

Aspiration hazard

Not available.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

Information on likely routes of exposure	: LC/MS Pesticide Standard #1	Routes of entry anticipated: Oral, Dermal, Inhalation.
	LC/MS Pesticide Standard #2	Routes of entry anticipated: Oral, Dermal, Inhalation.
	LC/MS Pesticide Standard #3	Routes of entry anticipated: Oral, Dermal, Inhalation.
	LC/MS Pesticide Standard #4	Routes of entry anticipated: Oral, Dermal, Inhalation.
	LC/MS Pesticide Standard #5	Routes of entry anticipated: Oral, Dermal, Inhalation.
	LC/MS Pesticide Standard #6	Routes of entry anticipated: Oral, Dermal, Inhalation.
	LC/MS Pesticide Standard #7	Routes of entry anticipated: Oral, Dermal, Inhalation.
	LC/MS Pesticide Standard #8	Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Inhalation	: LC/MS Pesticide Standard #1	Harmful if inhaled.
	LC/MS Pesticide Standard #2	Harmful if inhaled.
	LC/MS Pesticide Standard #3	Harmful if inhaled.
	LC/MS Pesticide Standard #4	Harmful if inhaled.
	LC/MS Pesticide Standard #5	Harmful if inhaled.
	LC/MS Pesticide Standard #6	Harmful if inhaled.
	LC/MS Pesticide Standard #7	Harmful if inhaled.
	LC/MS Pesticide Standard #8	Harmful if inhaled.
Ingestion	: LC/MS Pesticide Standard #1	Harmful if swallowed.
	LC/MS Pesticide Standard #2	Harmful if swallowed.
	LC/MS Pesticide Standard #3	Harmful if swallowed.
	LC/MS Pesticide Standard #4	Harmful if swallowed.
	LC/MS Pesticide Standard #5	Harmful if swallowed.
	LC/MS Pesticide Standard #6	Harmful if swallowed.
	LC/MS Pesticide Standard #7	Harmful if swallowed.
	LC/MS Pesticide Standard #8	Harmful if swallowed.
Skin contact	: LC/MS Pesticide Standard #1	Harmful in contact with skin.
	LC/MS Pesticide Standard #2	Harmful in contact with skin.
	LC/MS Pesticide Standard #3	Harmful in contact with skin.
	LC/MS Pesticide Standard #4	Harmful in contact with skin.
	LC/MS Pesticide Standard #5	Harmful in contact with skin.

SECTION 11: Toxicological information

	Standard #6		
	LC/MS Pesticide		Harmful in contact with skin.
	Standard #7		
	LC/MS Pesticide		Harmful in contact with skin.
	Standard #8		
Eye contact	:	LC/MS Pesticide	Causes serious eye irritation.
		Standard #1	
		LC/MS Pesticide	Causes serious eye irritation.
		Standard #2	
		LC/MS Pesticide	Causes serious eye irritation.
		Standard #3	
		LC/MS Pesticide	Causes serious eye irritation.
		Standard #4	
		LC/MS Pesticide	Causes serious eye irritation.
		Standard #5	
		LC/MS Pesticide	Causes serious eye irritation.
		Standard #6	
		LC/MS Pesticide	Causes serious eye irritation.
		Standard #7	
		LC/MS Pesticide	Causes serious eye irritation.
		Standard #8	

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	:	LC/MS Pesticide	No specific data.
		Standard #1	
		LC/MS Pesticide	No specific data.
		Standard #2	
		LC/MS Pesticide	No specific data.
		Standard #3	
		LC/MS Pesticide	No specific data.
		Standard #4	
		LC/MS Pesticide	No specific data.
		Standard #5	
		LC/MS Pesticide	No specific data.
		Standard #6	
		LC/MS Pesticide	No specific data.
		Standard #7	
		LC/MS Pesticide	No specific data.
		Standard #8	
Ingestion	:	LC/MS Pesticide	No specific data.
		Standard #1	
		LC/MS Pesticide	No specific data.
		Standard #2	
		LC/MS Pesticide	No specific data.
		Standard #3	
		LC/MS Pesticide	No specific data.
		Standard #4	
		LC/MS Pesticide	No specific data.
		Standard #5	
		LC/MS Pesticide	No specific data.
		Standard #6	
		LC/MS Pesticide	No specific data.
		Standard #7	
		LC/MS Pesticide	No specific data.
		Standard #8	

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

Skin contact	: LC/MS Pesticide Standard #1	No specific data.
	LC/MS Pesticide Standard #2	No specific data.
	LC/MS Pesticide Standard #3	No specific data.
	LC/MS Pesticide Standard #4	No specific data.
	LC/MS Pesticide Standard #5	No specific data.
	LC/MS Pesticide Standard #6	No specific data.
	LC/MS Pesticide Standard #7	No specific data.
	LC/MS Pesticide Standard #8	No specific data.
Eye contact	: LC/MS Pesticide Standard #1	Adverse symptoms may include the following: pain or irritation watering redness
	LC/MS Pesticide Standard #2	Adverse symptoms may include the following: pain or irritation watering redness
	LC/MS Pesticide Standard #3	Adverse symptoms may include the following: pain or irritation watering redness
	LC/MS Pesticide Standard #4	Adverse symptoms may include the following: pain or irritation watering redness
	LC/MS Pesticide Standard #5	Adverse symptoms may include the following: pain or irritation watering redness
	LC/MS Pesticide Standard #6	Adverse symptoms may include the following: pain or irritation watering redness
	LC/MS Pesticide Standard #7	Adverse symptoms may include the following: pain or irritation watering redness
	LC/MS Pesticide Standard #8	Adverse symptoms may include the following: pain or irritation watering redness

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

SECTION 11: Toxicological information

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: LC/MS Pesticide Standard #1	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #2	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #3	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #4	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #5	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #6	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #7	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #8	No known significant effects or critical hazards.
Carcinogenicity	: LC/MS Pesticide Standard #1	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #2	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #3	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #4	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #5	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #6	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #7	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #8	No known significant effects or critical hazards.
Mutagenicity	: LC/MS Pesticide Standard #1	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #2	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #3	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #4	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #5	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #6	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #7	No known significant effects or critical hazards.
	LC/MS Pesticide Standard #8	No known significant effects or critical hazards.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 11: Toxicological information

Teratogenicity	:	LC/MS Pesticide Standard #1	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #2	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #3	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #4	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #5	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #6	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #7	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #8	No known significant effects or critical hazards.
Developmental effects	:	LC/MS Pesticide Standard #1	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #2	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #3	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #4	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #5	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #6	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #7	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #8	No known significant effects or critical hazards.
Fertility effects	:	LC/MS Pesticide Standard #1	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #2	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #3	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #4	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #5	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #6	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #7	No known significant effects or critical hazards.
		LC/MS Pesticide Standard #8	No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

Product/ingredient name	Result	Species	Exposure
LC/MS Pesticide Standard #1			
Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor	96 hours 48 hours 96 hours 96 hours
Methamidophos (ISO)	Chronic NOEC 160000 µg/l Fresh water Acute EC50 0.3 mg/l Fresh water Acute EC50 0.026 ppm Fresh water Acute LC50 0.00028 µg/l Marine water	Daphnia - Daphnia magna Algae - Nitzschia sp. - Exponential growth phase Daphnia - Daphnia magna Crustaceans - Macrobrachium rosenbergii - Zoea	21 days 96 hours 48 hours 48 hours
Azinphos-ethyl (ISO)	Acute LC50 1.28 ppm Fresh water Chronic NOEC 4.49 ppb Acute EC50 4 µg/l Fresh water Chronic NOEC 1 mg/l Marine water	Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Crustaceans - Simocephalus serrulatus Algae - Tetraselmis suecica - Exponential growth phase	96 hours 21 days 48 hours 96 hours
Fenamiphos (ISO)	Acute EC50 38.49 mg/l Fresh water Acute EC50 1.3 ppb Fresh water Acute LC50 150 ppb Marine water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase Daphnia - Daphnia magna Crustaceans - Penaeus duorarum - Juvenile (Fledgling, Hatchling, Weanling)	96 hours 48 hours 48 hours
Flufenacet (ISO)	Acute LC50 4.5 ppb Fresh water Chronic NOEC 0.12 ppb Fresh water Chronic NOEC 3.8 ppb Acute LC50 2.26 ppm Fresh water Chronic NOEC 6.3 ppm Chronic NOEC 179 ppb	Fish - Lepomis macrochirus Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Fish - Lepomis macrochirus Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	96 hours 21 days 91 days 96 hours 21 days 82 days
Disulfoton (ISO)	Acute EC50 11 mg/l Fresh water Acute EC50 25 µg/l Marine water Acute EC50 11 µg/l Fresh water Acute LC50 8.2 ppb Fresh water Chronic NOEC 1 mg/l Marine water Chronic NOEC 0.037 ppb Fresh water Chronic NOEC 16.2 ppb	Algae - Scenedesmus subspicatus Crustaceans - Penaeus aztecus - Adult Daphnia - Daphnia magna Fish - Lepomis macrochirus Algae - Tetraselmis suecica Daphnia - Daphnia magna Fish - Cyprinodon variegatus	72 hours 48 hours 48 hours 96 hours 96 hours 21 days 33 days
4H-1,3,5-Thiadiazin-4-one, 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-	Acute EC50 2.94 ppm Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
Dimoxystrobin (ISO)	Acute EC50 0.42 ppm Fresh water Acute LC50 0.26 ppm Fresh water Chronic NOEC 0.08 ppm Chronic NOEC 8.4 ppb Fresh water Acute LC50 0.039 mg/l Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Fish - Pimephales promelas Fish - Cyprinus carpio - Young of the year	48 hours 96 hours 21 days 276 days 96 hours
Benzamide, 2,6-dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]-	Acute EC50 51 ppb Marine water Acute EC50 1700 ppb Fresh water Acute LC50 349 ppb Fresh water Chronic NOEC 151 ppb LC50 0.287 mg/l	Algae - Skeletonema costatum Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Fish - Pimephales promelas Daphnia	96 hours 48 hours 96 hours 33 days 48 hours
4(3H)-Quinazolinone, 6-iodo-2-propoxy-3-propyl-Butanoic acid, 2,2-dimethyl-,	Acute LC50 >450000 ppb Fresh water	Fish - Lepomis macrochirus	96 hours

SECTION 12: Ecological information

3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl ester			
Spiroxamine (ISO)	Chronic NOEC 11.1 ppb Chronic NOEC 1.95 ppb Acute EC50 1.18 ppb Marine water Acute EC50 2.57 ppb Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Skeletonema costatum Algae - Scenedesmus subspicatus	21 days 97 days 96 hours 72 hours
Azinphos-methyl (ISO)	Acute EC50 2.55 ppm Fresh water Chronic NOEC 0.034 ppm Chronic NOEC 2.6 ppb Fresh water Acute EC50 1.13 ppb Fresh water Acute LC50 0.25 µg/l Fresh water	Daphnia - Daphnia magna Daphnia - Daphnia magna Fish - Danio rerio Daphnia - Daphnia magna Crustaceans - Gammarus lacustris	48 hours 21 days 230 days 48 hours 48 hours
	Acute LC50 0.36 ppb Fresh water Chronic EC10 0.033 µg/l Fresh water Chronic NOEC 10 mg/l Marine water	Fish - Esox lucius Crustaceans - Cladocera Algae - Tetraselmis suecica - Exponential growth phase	96 hours 21 days 96 hours
	Chronic NOEC 0.25 ppb Fresh water Chronic NOEC 0.17 µg/l Marine water	Daphnia - Daphnia magna Fish - Cyprinodon variegatus - Embryo	21 days 28 days
cyproconazole (ISO)	Acute EC50 26 ppm Fresh water Acute LC50 19 ppm Fresh water Chronic NOEC 0.019 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna	48 hours 96 hours 21 days
LC/MS Pesticide Standard #2			
Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor	96 hours 48 hours 96 hours 96 hours
1-[2-(Allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole	Acute EC50 0.73 ppm Fresh water	Daphnia - Daphnia magna Algae - Pseudokirchneriella subcapitata	21 days 72 hours
Chlorfenvinphos (ISO)	Acute EC50 3.54 ppm Fresh water Acute LC50 1.48 ppm Fresh water Acute LC50 0.4 µg/l Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Crustaceans - Ceriodaphnia dubia	48 hours 96 hours 48 hours
Chlorpyrifos-methyl	Acute LC50 100 µg/l Fresh water Acute LC50 39 µg/l Fresh water Acute EC50 0.000028 ppm Marine water	Daphnia - Daphnia magna Fish - Oreochromis niloticus Crustaceans - Penaeus duorarum - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 96 hours 48 hours
Propiconazole (ISO)	Acute EC50 1.11 ppb Fresh water Acute LC50 12.6 ppb Fresh water Acute EC50 0.8 µg/l Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Chlamydomonas noctigama	48 hours 96 hours 3 days
	Acute EC50 1.29 mg/l Fresh water Acute EC50 3.2 ppm Fresh water Acute LC50 0.763 mg/l Marine water	Algae - Chlorella vulgaris Daphnia - Daphnia magna Crustaceans - Palaemon adspersus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours 48 hours 48 hours
	Acute LC50 0.83 ppm Fresh water Chronic IC10 6.8 µg/l Fresh water	Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata	96 hours 72 hours
Tebuconazole (ISO)	Chronic NOEC 0.31 ppm Fresh water Chronic NOEC 0.18 µg/l Fresh water Acute EC50 1.45 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Scenedesmus subspicatus	21 days 30 days 4 days

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (2-methyl[1,1'-biphenyl]-3-yl)methyl ester, (1R,3R)-rel-	Acute IC50 3200 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute LC50 750 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 2.37 mg/l Fresh water	Fish - Cyprinus carpio - Fingerling	96 hours
	Chronic IC10 1200 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC 0.12 ppm Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 0.012 ppm	Fish - Oncorhynchus mykiss	83 days
	Acute LC50 0.07 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 0.32 µg/l Fresh water	Daphnia - Daphnia magna - Instar	48 hours
	Acute LC50 0.15 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 0.0013 ppb Fresh water	Daphnia - Daphnia magna	21 days
Cyclopentanol, 2-[(4-chlorophenyl)methyl]-5-(1-methylethyl)-1-(1H-1,2,4-triazol-1-ylmethyl)-	Acute EC50 1.7 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1.53 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 0.18 ppb	Fish - Pimephales promelas	32 days
	Acute LC50 0.61 µg/l Marine water	Crustaceans - Homarus americanus - Intermolt	48 hours
	Acute EC50 10.82 mg/l Fresh water	Algae - Chlorella pyrenoidosa	96 hours
	Acute EC50 0.522 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.21 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 0.000072 mg/l Fresh water	Fish - Cyprinus carpio	96 hours
	Chronic NOEC 0.17 mg/l Fresh water	Algae - Chlorella vulgaris - Exponential growth phase	96 hours
	Chronic NOEC 6.43 µg/l Fresh water	Aquatic plants - Oryza sativa - Seed	4 days
S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethyl thiophosphate Diazinon (ISO)	Chronic NOEC 0.15 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	21 days
	Chronic NOEC 0.018 ppb Fresh water	Fish - Cyprinus carpio	30 days
	Acute EC50 0.066 ppb Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute IC50 110000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute IC50 398000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 0.13 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 2.5 µg/l Fresh water	Fish - Mystus vittatus	96 hours
	Chronic NOEC 239000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 6.66 µg/l Marine water	Crustaceans - Americamysis bahia - Juvenile (Fledgling, Hatchling, Weanling)	21 days
	Chronic NOEC 0.109 to 0.266 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
Ethion (ISO)	Chronic NOEC 5.2 ppb	Fish - Oncorhynchus mykiss	61 days
	Acute EC50 0.056 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 2.4 ppb Marine water	Crustaceans - Penaeus aztecus	48 hours
	Acute LC50 49 ppb Marine water	Fish - Menidia menidia	96 hours
	Chronic NOEC 0.025 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 13 ppb	Fish - Pimephales promelas	33 days

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

BROMUCONAZOLE	Acute EC50 0.085 ppm Fresh water Acute LC50 1.7 ppm Fresh water Chronic NOEC 0.006 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours
Coumaphos (ISO)	Acute EC50 0.192 ppb Fresh water	Daphnia - Daphnia magna - Adult	21 days 48 hours
	Acute LC50 0.14 µg/l Fresh water	Crustaceans - Gammarus lacustris	48 hours
Chlorpyrifos (ISO)	Acute LC50 150 µg/l Fresh water Chronic NOEC 0.034 ppb Fresh water Chronic NOEC 11.7 ppb	Fish - Lepomis macrochirus Daphnia - Daphnia magna	96 hours 21 days
	Acute EC50 138 µg/l Marine water Acute EC50 32.4 ng/L Fresh water	Fish - Oncorhynchus mykiss Algae - Isochrysis galbana	62 days 96 hours
	Acute LC50 0.048 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 0.4 µg/l Marine water Chronic NOEC 400 µg/l Marine water	Crustaceans - Ceriodaphnia dubia - Neonate Fish - Menidia peninsulæ	48 hours 96 hours
	Chronic NOEC 0.01 µg/l Fresh water	Algae - Dunaliella tertiolecta - Exponential growth phase Daphnia - Daphnia magna - Neonate	96 hours 21 days
Ethoprophos (ISO)	Chronic NOEC 0.21 ppb Fresh water Acute EC50 3800 µg/l Marine water	Fish - Clarias batrachus Algae - Skeletonema costatum - Exponential growth phase	30 days 96 hours
	Acute EC50 42.8 ppb Fresh water Acute LC50 6.3 µg/l Marine water Chronic NOEC 0.36 µg/l Marine water	Daphnia - Daphnia magna Fish - Lagodon rhomboides Crustaceans - Americamysis bahia	48 hours 96 hours 21 days
	Chronic NOEC 0.8 ppb Fresh water Chronic NOEC 2 ppb Marine water	Daphnia - Daphnia magna Fish - Cyprinodon variegatus	21 days 112 days
LC/MS Pesticide Standard #3			
Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor	96 hours 48 hours 96 hours 96 hours
S-tert-Butylthiomethyl O,O-diethylphosphorodithioate	Chronic NOEC 160000 µg/l Fresh water Acute EC50 0.59 mg/l Fresh water	Daphnia - Daphnia magna Algae - Nitzschia sp. - Exponential growth phase	21 days 96 hours
	Acute EC50 0.121 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 0.31 ppb Fresh water Acute LC50 0.77 ppb Fresh water	Daphnia - Daphnia magna Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 96 hours
	Chronic NOEC 10 µg/l Fresh water Chronic NOEC 0.03 ppb Fresh water Chronic NOEC 0.64 ppb	Algae - Algae Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	4 days 21 days 95 days
Succinic acid, mercapto-, diethyl ester, S-ester with O,O-dimethylphosphorothioate	Acute IC50 2.3 ppm Fresh water	Fish - Ictalurus furcatus - Fingerling	96 hours
	Acute LC50 12.08 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Pirimicarb (ISO)	Acute EC50 120 ppm Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 0.0065 ppm Fresh water Acute LC50 29 ppm Fresh water Chronic NOEC 0.0009 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours
	Chronic NOEC 4.4 ppm Acute EC50 0.11 ppb Fresh water	Daphnia - Daphnia magna Fish - Pimephales promelas	21 days 36 days
Pirimiphos-methyl (ISO)		Daphnia - Daphnia magna	48 hours

SECTION 12: Ecological information

Quinalphos (ISO)	Acute LC50 2.271 µg/l Marine water	Crustaceans - Siriella armata - Neonate	48 hours
	Acute LC50 3.47 µg/l Fresh water	Fish - Oreochromis niloticus - Fingerling	96 hours
Profenofos (ISO)	Acute LC50 0.124 µg/l Marine water	Crustaceans - Penaeus monodon - Mysis	48 hours
	Acute LC50 70 µg/l Fresh water	Fish - Nuria danrica - Adult	96 hours
	Acute EC50 0.93 ppb Fresh water Acute LC50 0.041 µg/l Fresh water	Daphnia - Daphnia magna Crustaceans - Ceriodaphnia dubia - Neonate	48 hours 48 hours
Phosphamidon	Acute LC50 2.31 ppb Fresh water	Fish - Channa punctata	96 hours
	Chronic NOEC 2 ppb	Fish - Pimephales promelas	31 days
	Acute EC50 12.7 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.00007 µl/L Fresh water	Crustaceans - Moina sp. - Adult	48 hours
	Acute LC50 110 µg/l Fresh water	Fish - Gambusia affinis	96 hours
Phenthoate (ISO)	Chronic NOEC 1.5 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 1.1 ppm	Fish - Oncorhynchus mykiss	60 days
	Acute LC50 24 ppb Marine water	Crustaceans - Penaeus duorarum - Adult	48 hours
Methidathion (ISO)	Acute LC50 1.7 µg/l Fresh water	Daphnia - Daphnia carinata	48 hours
	Acute LC50 3.3 ppb Fresh water	Fish - Lepomis macrochirus - Adult	96 hours
	Acute EC50 7.5038 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
Trans-isopropyl-3-[(ethylamino) methoxyfosfinothioyl]oxy] crotonate	Acute EC50 6.4 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 14 µg/l Marine water	Crustaceans - Homarus americanus	48 hours
	Acute LC50 2.2 ppb Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 0.5 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 0.5 ppb Fresh water Chronic NOEC 6.3 ppb	Daphnia - Daphnia magna Fish - Pimephales promelas	21 days 35 days
Dichloro-N-[(dimethylamino) sulphonyl]fluoro-N-(p-tolyl) methanesulphenamide liquid	Acute EC50 9.5 mg/l Fresh water	Algae - Scenedesmus subspicatus	72 hours
	Acute EC50 27 µg/l Fresh water	Crustaceans - Gammarus roeseli	48 hours
	Acute EC50 3.3 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.19 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic EC10 1.9 mg/l Fresh water	Algae - Scenedesmus subspicatus	72 hours
1H-1,2,4-Triazole, 1-[[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl]methyl]-	Chronic NOEC 0.1 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 0.19 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.03 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
quinoxifen (ISO)	Chronic NOEC 0.1 ppm	Daphnia - Daphnia magna	21 days
	Acute EC50 1.338 µg/l Fresh water	Algae - Scenedesmus acutus var. acutus	96 hours
	Acute LC50 0.298 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 1.329 µg/l Fresh water	Fish - Danio rerio	96 hours
	Chronic NOEC 0.005 ppm Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 1.9 ppb Fresh water	Fish - Pimephales promelas	268 days
quinoxifen (ISO)	Acute EC50 91 ppb Fresh water	Daphnia - Daphnia magna - Instar	48 hours
	Acute LC50 270 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours

SECTION 12: Ecological information

2-Cyclohexen-1-one, 2-[(1E)-1-[[[(2E)-3-chloro-2-propen-1-yl]oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-	Chronic NOEC 27.8 ppb Fresh water Chronic NOEC 4.09 ppb Acute EC50 22.8676 mg/l Fresh water	Daphnia - Daphnia magna Fish - Cyprinodon variegatus Algae - Pseudokirchneriella subcapitata	21 days 39 days 96 hours
	Acute EC50 20.2 ppm Fresh water Acute LC50 19 ppm Fresh water Chronic NOEC 0.94 ppm Chronic NOEC 0.01 ppm	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Fish - Pimephales promelas	48 hours 96 hours 21 days 32 days
Isoxaflutole (ISO)	Acute EC50 1.5 ppm Fresh water Acute LC50 1.7 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours
Malathion (ISO)	Acute EC50 0.5 µg/l Fresh water Acute LC50 0.9 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate Daphnia - Daphnia magna - Neonate	48 hours 48 hours
2-Chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide	Acute LC50 11.676 ng/L Fresh water Chronic NOEC 34 mg/l Fresh water Chronic NOEC 0.5 mg/l Marine water Chronic NOEC 0.06 ppb Fresh water Chronic NOEC 21 ppb Acute EC50 50.9 µg/l Fresh water	Fish - Heteropneustes fossilis Algae - Euglena gracilis Crustaceans - Scylla serrata Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata	96 hours 72 hours 3 weeks 21 days 97 days 96 hours
	Acute EC50 343 µg/l Fresh water Acute EC50 1100 µg/l Fresh water	Aquatic plants - Lemna minor Crustaceans - Ceriodaphnia dubia - Neonate	96 hours 48 hours
Oxadiazon (ISO)	Acute EC50 4.25 mg/l Fresh water Acute IC50 37.17 µg/l Fresh water	Daphnia - Daphnia magna Algae - Pseudokirchneriella subcapitata	48 hours 72 hours
	Acute LC50 3.9 ppm Fresh water Chronic EC10 11 µg/l Fresh water	Fish - Oncorhynchus mykiss Algae - Achnanthydium minutissimum	96 hours 96 hours
Oxadiazon (ISO)	Chronic NOEC 187 µg/l Fresh water Chronic NOEC 0.354 ppm Fresh water Chronic NOEC 0.78 ppm Acute EC50 56 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Algae - Pseudokirchneriella subcapitata	4 days 21 days 35 days 72 hours
	Acute EC50 0.53 ppm Fresh water Acute LC50 15.4 ppm Fresh water	Daphnia - Daphnia magna Crustaceans - Orconectes nais - Adult	48 hours 48 hours
N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine	Acute LC50 0.88 ppm Fresh water Chronic NOEC 7 µg/l Fresh water	Fish - Lepomis macrochirus Algae - Pseudokirchneriella subcapitata	96 hours 72 hours
	Chronic NOEC 0.03 ppm Fresh water Chronic NOEC 0.88 ppb Acute EC50 14 µg/l Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata	21 days 97 days 72 hours
Molinate (ISO)	Acute EC50 0.1793 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 0.28 ppm Fresh water Acute LC50 76 mg/l Marine water	Daphnia - Daphnia magna Crustaceans - Artemia franciscana - Nauplii	48 hours 48 hours
Molinate (ISO)	Acute LC50 0.138 ppm Fresh water Chronic NOEC 6 µg/l Fresh water	Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata	96 hours 72 hours
	Chronic NOEC 0.014 ppm Fresh water Chronic NOEC 119 ng/L Fresh water Acute EC50 0.22 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata	21 days 28 days 4 days
	Acute EC50 4.36 mg/l Fresh water Acute EC50 600 µg/l Fresh water	Algae - Nannochloropsis oculata Daphnia - Daphnia magna -	72 hours 48 hours

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

Mecarbam (ISO) Triazophos (ISO)	Acute LC50 390 µg/l Fresh water	Instar Crustaceans - Gammarus fasciatus - Instar	48 hours
	Acute LC50 355 µg/l Fresh water Chronic NOEC 220 µg/l Fresh water Chronic NOEC 0.38 ppm Fresh water Chronic NOEC 90 µg/l Fresh water Acute LC50 0.004 mg/l Fresh water Acute EC50 12.92 µg/l Fresh water	Fish - Lepomis macrochirus Algae - Scenedesmus acutus Daphnia - Daphnia magna Fish - Cyprinus carpio Fish - Rasbora heteromorpha Daphnia - Daphnia magna - Neonate	96 hours 96 hours 21 days 28 days 96 hours 48 hours
1H-Pyrazole-5-carboxamide, 4-chloro-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-3-ethyl-1-methyl-	Acute EC50 0.007 mg/l Fresh water Chronic NOEC 0.094 µg/l Fresh water Acute EC50 40.2 ppb Fresh water	Fish - Cyprinus carpio Daphnia - Daphnia magna Daphnia - Daphnia magna	96 hours 21 days 48 hours
	Mevinphos (ISO)	Acute LC50 17.8 ppb Fresh water Acute EC50 0.16 µg/l Fresh water	Fish - Oncorhynchus mykiss Daphnia - Daphnia pulex - Larvae
Phosalone	Acute LC50 0.95 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 41.77 ppb Fresh water Acute EC50 0.83 mg/l Fresh water	Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata - Exponential growth phase	96 hours 72 hours
LC/MS Pesticide Standard #4	Acute EC50 1200 ppb Fresh water Acute LC50 474.4 µg/l Marine water	Daphnia - Daphnia magna Crustaceans - Scylla serrata - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 48 hours
	Acute LC50 50 ppb Fresh water	Fish - Lepomis macrochirus	96 hours
Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor	96 hours 48 hours 96 hours 96 hours
Monocrotophos (ISO)	Chronic NOEC 160000 µg/l Fresh water Acute EC50 69 µg/l Marine water	Daphnia - Daphnia magna Crustaceans - Penaeus aztecus - Adult	21 days 48 hours
	Acute LC50 388 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
fipronil (ISO)	Acute LC50 3.8 µg/l Fresh water Chronic NOEC 0.96 mg/l Fresh water Acute EC50 631.2 µg/l Marine water	Fish - Cyprinus carpio Fish - Channa punctata Algae - Dunaliella tertiolecta - Exponential growth phase	96 hours 60 days 96 hours
	Acute EC50 0.54 mg/l Fresh water	Algae - Scenedesmus acutus var. acutus - Exponential growth phase	72 hours
	Acute EC50 0.99 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 0.0348 mg/l Fresh water Acute LC50 83 ppb Fresh water Chronic NOEC 250 µg/l Marine water	Daphnia - Daphnia magna Fish - Lepomis macrochirus Algae - Dunaliella tertiolecta - Exponential growth phase	48 hours 96 hours 96 hours
	Chronic NOEC 13 µg/l Fresh water	Aquatic plants - Oryza sativa - Seed	4 days
	Chronic NOEC 0.16 µg/l Marine water	Crustaceans - Amphiascus tenuiremis - Copepodite	21 days
	Chronic NOEC 9.6 ppb Fresh water	Daphnia - Daphnia magna	21 days

SECTION 12: Ecological information

N-[[[(4-chlorophenyl)amino] carbonyl]-2, 6-difluorobenzamide	Chronic NOEC 0.05 µg/l Fresh water	Fish - Rhamdia quelen	60 days
	Acute EC50 >124 ppm Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 0.04 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 0.37 µg/l Marine water	Crustaceans - Artemia salina - Cyst	48 hours
	Acute LC50 32990 µg/l Marine water	Fish - Fundulus heteroclitus - Adult	96 hours
Carfentrazone-ethyl (ISO)	Chronic NOEC 0.69 µg/l Marine water	Crustaceans - Callinectes sp. - Juvenile (Fledgling, Hatchling, Weanling)	21 days
	Chronic NOEC 1 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 16 ng/L Marine water	Fish - Gambusia affinis - Adult	28 days
Kresoxim-methyl (ISO)	Acute EC50 12.7 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute LC50 1.14 ppm Marine water	Fish - Menidia peninsulæ	96 hours
	Chronic NOEC 22 ppb	Fish - Oncorhynchus mykiss	89 days
Phoxim (ISO)	Acute EC50 55.1 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	4 days
	Acute EC50 332 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 190 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
famoxadone (ISO)	Chronic NOEC 87 ppb	Fish - Pimephales promelas	28 days
	Acute EC50 1.979 mg/l Fresh water	Algae - Chlorella pyrenoidosa	96 hours
	Acute LC50 349 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Chlorsulfuron (ISO)	Chronic NOEC 0.5 mg/l Fresh water	Algae - Chlorella pyrenoidosa	96 hours
	Acute EC50 11.8 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 12 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
Linuron (ISO)	Chronic NOEC 0.085 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 1.4 ppb	Fish - Oncorhynchus mykiss	90 days
	Acute EC50 0.067 ppm Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 135 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 0.7 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute EC50 370 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 38 mg/l Fresh water	Fish - Salmo trutta	96 hours
	Chronic NOEC 63 µg/l Fresh water	Algae - Scenedesmus acutus	96 hours
	Chronic NOEC 20 ppm Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 31.4 ppm	Fish - Oncorhynchus mykiss	77 days
Metribuzin (ISO)	Acute EC50 6 µg/l Fresh water	Algae - Scenedesmus acutus	3 days
	Acute EC50 0.12 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.89 ppm Marine water	Fish - Cyprinodon variegatus	96 hours
	Chronic EC10 1.2 µg/l Fresh water	Algae - Scenedesmus acutus	3 days
	Chronic NOEC 4.3 to 5.1 µg/l Fresh water	Crustaceans - Crustacea	21 days
	Chronic NOEC 0.13 ppm Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 1 µg/l Fresh water	Fish - Pimephales promelas - Adult	28 days
	Acute EC50 23 µg/l Fresh water	Algae - Chlamydomonas reinhardtii	96 hours
	Acute EC50 22.5 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 36 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute EC50 4.18 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 35.36 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 3400 µg/l Fresh water	Fish - Ictalurus punctatus - Fingerling	96 hours
	Chronic NOEC 19 µg/l Fresh water	Algae - Pseudokirchneriella	96 hours

SECTION 12: Ecological information

Methyl 2-(3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)3-methylureidosulphonyl)benzoate	Chronic NOEC 19 µg/l Fresh water Chronic NOEC 18 µg/l Fresh water Chronic NOEC 1.29 ppm Fresh water Chronic NOEC 0.9 mg/l Fresh water Acute LC50 132 ppm Marine water	subcapitata Aquatic plants - Lemna minor Crustaceans - Macrocylops sp. Daphnia - Daphnia magna Fish - Cyprinus carpio - Embryo Fish - Cyprinodon variegatus	4 days 21 days 21 days 30 days 96 hours
Metsulfuron-methyl	Chronic NOEC 28 ppm Chronic NOEC 11.8 ppm Acute EC50 597 µg/l Fresh water Acute EC50 130 ppb Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata Algae - Pseudokirchneriella subcapitata	21 days 96 days 72 hours 96 hours
Cyazofamid (ISO)	Acute EC50 0.4 to 0.6 µg/l Fresh water Acute EC50 0.4 µg/l Fresh water Acute EC50 >150 ppm Fresh water Acute LC50 100000 to 1000000 µg/l Fresh water Chronic EC10 106 µg/l Fresh water Chronic NOEC 0.002 mg/l Fresh water Acute EC50 0.043 ppm Marine water Acute EC50 680 ppb Fresh water	Aquatic plants - Lemna minor Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Clarias batrachus Algae - Pseudokirchneriella subcapitata Fish - Leporinus obtusidens Algae - Skeletonema costatum Algae - Pseudokirchneriella subcapitata	3 days 96 hours 48 hours 96 hours 72 hours 30 days 96 hours 72 hours
Flazasulfuron (ISO)	Acute EC50 158 ppb Fresh water Acute LC50 3.32 ppb Fresh water Chronic NOEC 0.12 ppm Fresh water Chronic NOEC 0.011 ppm Fresh water Chronic NOEC 90.1 ppb Acute EC50 1.29 ppb Fresh water Acute EC50 4.1 ppb Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Navicula pelliculosa Daphnia - Daphnia magna Fish - Pimephales promelas Algae - Pseudokirchneriella subcapitata Algae - Pseudokirchneriella subcapitata	48 hours 96 hours 96 hours 21 days 33 days 3 days 96 hours
hexythiazox (ISO)	Acute EC50 >106 ppm Fresh water Acute LC50 115 ppm Fresh water Chronic NOEC 17 ppm Acute EC50 0.742 ppm Fresh water Acute LC50 0.53 ppm Fresh water Chronic NOEC 6.1 ppb Fresh water Acute EC50 2.56 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Fish - Oncorhynchus mykiss Daphnia - Daphnia carinata Fish - Lepomis macrochirus Daphnia - Daphnia magna Daphnia - Daphnia magna	48 hours 96 hours 89 days 48 hours 96 hours 21 days 48 hours
Hydrazinecarboxamide, 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]-	Acute LC50 0.732 ppm Fresh water Chronic NOEC 1.47 ppb Chronic NOEC 1.15 ppb Acute EC50 32000 ppb Fresh water	Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Fish - Cyprinodon variegatus Algae - Pseudokirchneriella subcapitata	96 hours 21 days 41 days 96 hours
Benzamide, N-[[[3-chloro-4-(1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy)phenyl]amino]carbonyl]-2,6-difluoro-	Acute EC50 4.31 ppb Fresh water Acute LC50 62400 ppb Fresh water Chronic NOEC 0.0299 ppb Acute EC50 5 ppb Fresh water Acute LC50 29 µg/l Fresh water Acute LC50 80 µg/l Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Daphnia - Daphnia magna Crustaceans - Gammarus lacustris Fish - Pimephales promelas	48 hours 96 hours 21 days 48 hours 48 hours 96 hours
Aminocarb (ISO)			

SECTION 12: Ecological information

	Chronic NOEC 38.9 µg/l Fresh water	Fish - Pimephales promelas - Embryo	31 days
3,6-Bis(o-chlorophenyl)-1,2,4,5-tetrazine	Chronic NOEC 100 ppb	Daphnia - Daphnia magna	21 days
Benzamide, N-[[[(3,5-dichloro-2,4-difluorophenyl)amino]carbonyl]-2,6-difluoro-Propargite (ISO)	Chronic NOEC 6 ppb	Fish - Oncorhynchus mykiss	97 days
	Acute LC50 40 µg/l Marine water	Crustaceans - Tisbe battagliai - Nauplii	48 hours
	Acute EC50 38.86 mg/l Fresh water	Algae - Scenedesmus acutus var. acutus	96 hours
	Acute EC50 74 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 31 ppb Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 2 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 9 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 16 ppb	Fish - Pimephales promelas	35 days
LC/MS Pesticide Standard #5			
Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
Aldicarb (ISO)	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 51 µg/l Fresh water	Daphnia - Daphnia laevis - Mature	48 hours
	Acute LC50 413 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 41 µg/l Marine water	Fish - Cyprinodon variegatus	96 hours
	Chronic NOEC 1 µg/l Marine water	Crustaceans - Americamysis bahia	21 days
fenobucarb (ISO)	Chronic NOEC 20 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 0.1716 mg/l Fresh water	Fish - Cyprinus carpio	96 hours
	Acute LC50 0.035 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
Azoxystrobin	Acute IC50 230 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute LC50 0.071 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 470 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic IC10 32 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
Dimethyl N,N'-[thiobis[(methylimino)carbonyloxy]]bis(thioimidoacetate)	Chronic NOEC 44 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 147 ppb	Fish - Pimephales promelas	28 days
	Acute EC50 404 µg/l Marine water	Algae - Skeletonema costatum - Exponential growth phase	96 hours
pyridaben (ISO)	Acute EC50 0.027 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.47 ppm Marine water	Fish - Cyprinodon variegatus	96 hours
	Chronic NOEC 9 ppb	Daphnia - Daphnia magna	21 days
	Acute EC50 0.53 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.72 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 0.013 ppb Marine water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 0.277 ppb Fresh water	Fish - Pimephales promelas	300 days
Thiamethoxam (ISO)	Acute EC50 97 ppm Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 >106 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 23.505 mg/l Fresh water	Crustaceans - Gammarus kischineffensis	48 hours
2-(1-methyl-2-	Acute LC50 >100 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 50 ppm Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 20 ppm	Fish - Oncorhynchus mykiss	45 days
	Acute EC50 56 ppb Fresh water	Algae - Pseudokirchneriella	72 hours

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

(4-phenoxyphenoxy)ethoxy pyridine	Acute LC50 80 µg/l Fresh water	subcapitata	
Trifloxystrobin (ISO)	Acute LC50 270 ppb Fresh water	Daphnia - Daphnia carinata - Neonate	48 hours
	Chronic NOEC 0.01 ppb Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 4.3 ppb	Daphnia - Daphnia magna	21 days
Carbendazim (ISO)	Acute EC50 0.0089 ppm Fresh water	Fish - Oncorhynchus mykiss	95 days
	Acute EC50 25.3 ppb Fresh water	Algae - Navicula pelliculosa	96 hours
	Acute IC50 120 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
Methabenzthiazuron (ISO)	Acute LC50 14 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic IC10 5.7 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 2.76 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC 0.1 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 19.0562 mg/l Fresh water	Fish - Oryzias latipes - Embryo	28 days
	Acute EC50 >100000 µg/l Marine water	Algae - Scenedesmus acutus var. acutus	96 hours
fenamidone (ISO)	Acute EC50 20 µg/l Fresh water	Crustaceans - Cancer magister - Zoea	48 hours
	Acute LC50 7 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 33.5 to 36 µg/l Fresh water	Fish - Ictalurus punctatus - Yolk-sac fry	96 hours
fenazaquin (ISO)	Chronic NOEC 3.1 ppb Fresh water	Crustaceans - Crustacea	21 days
	Acute EC50 0.0209 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 48.7 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
Pyraclostrobin	Acute LC50 0.74 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 0.0125 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 0.041 ppm	Daphnia - Daphnia magna	21 days
Cyanamide, N-[3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]-, [N(Z)]-	Acute EC50 39 ppm Fresh water	Fish - Pimephales promelas	36 days
	Acute EC50 5.6 ppb Fresh water	Algae - Scenedesmus subspicatus	96 hours
	Acute LC50 3.9 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 0.34 ppb	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 0.95 ppb	Daphnia - Daphnia magna	21 days
	Acute EC50 152 ppb Fresh water	Fish - Oncorhynchus mykiss	63 days
Diuron (ISO)	Acute EC50 15.7 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute IC50 1400 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 6.2 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic IC10 250 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 4 ppb Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC 2.35 ppb	Daphnia - Daphnia magna	21 days
Diuron (ISO)	Acute EC50 45 ppm Fresh water	Fish - Oncorhynchus mykiss	98 days
	Acute EC50 22.52 ppm Fresh water	Algae - Scenedesmus subspicatus	72 hours
	Acute LC50 19.7 ppm Marine water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 0.56 ppm Fresh water	Fish - Cyprinodon variegatus	96 hours
	Chronic NOEC 0.17 ppm	Daphnia - Daphnia magna	21 days
	Acute EC50 2.26 µg/l Marine water	Fish - Pimephales promelas	33 days
Diuron (ISO)	Acute EC50 0.0007 mg/l Fresh water	Algae - Coccolithus huxleyi - Exponential growth phase	72 hours
	Acute EC50 0.005 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 8.4 ppm Fresh water	Aquatic plants - Lemna sp.	96 hours
	Acute IC50 2.41 µg/l Marine water	Daphnia - Daphnia magna	48 hours
		Aquatic plants - Halodule	72 hours

SECTION 12: Ecological information

Methomyl (ISO)	Acute LC50 380 µg/l Fresh water	uninervis Crustaceans - Gammarus lacustris	48 hours	
	Acute LC50 500 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours	
	Chronic EC10 0.11 µg/l Fresh water	Algae - Fragilaria capucina - Exponential growth phase	96 hours	
	Chronic NOEC 0.34 µg/l Marine water	Aquatic plants - Zostera muelleri	72 hours	
	Chronic NOEC 26.4 ppb	Fish - Pimephales promelas	60 days	
	Acute EC50 50 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours	
	Acute EC50 2.11 µg/l Fresh water	Crustaceans - Ceriodaphnia reticulata - Neonate	48 hours	
	Acute EC50 4.71 µg/l Fresh water	Daphnia - Daphnia longispina - New born	48 hours	
	Acute LC50 100 µg/l Fresh water	Fish - Carassius auratus	96 hours	
	Chronic NOEC 20 µg/l Fresh water	Crustaceans - Gammarus fossarum - Adult	21 days	
2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]- N-nitro-, (2E)-	Chronic NOEC 0.4 ppb Fresh water	Daphnia - Daphnia magna	21 days	
	Chronic NOEC 0.2 µg/l Fresh water	Fish - Oreochromis niloticus	30 days	
	Acute EC50 1 µg/l Fresh water	Crustaceans - Cypretta seurati	48 hours	
	Acute EC50 6029 µg/l Fresh water	Daphnia - Daphnia magna - Nauplii	48 hours	
	Acute IC50 389 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours	
	Acute LC50 124 mg/l Fresh water	Fish - Acipenser transmontanus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours	
	Chronic NOEC 10 ppm Fresh water	Algae - Scenedesmus subspicatus	4 days	
	Chronic NOEC 11.12 to 11.42 µg/l Fresh water	Crustaceans - Gammarus sp.	21 days	
	Chronic NOEC 0.625 mg/l Fresh water	Daphnia - Daphnia magna	21 days	
	Chronic NOEC 9 mg/l Fresh water	Fish - Ctenopharyngodon idella	47 days	
LC/MS Pesticide Standard #6 Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours	
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours	
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours	
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours	
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days	
	Acute EC50 117.7 mg/dm3 Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours	
	Acute EC50 274.5 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	96 hours	
	Acute IC50 0.052 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours	
	Acute LC50 8.6 µg/l Marine water	Crustaceans - Palaemonetes sp. - Adult	48 hours	
	Acute LC50 20 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours	
Trichlorfon (ISO)	Chronic NOEC 300 mg/l Fresh water	Algae - Chlorella vulgaris - Exponential growth phase	96 hours	
	Chronic NOEC 0.0056 ppb Fresh water	Daphnia - Daphnia magna	21 days	
	Chronic NOEC 0.01 mg/l Fresh water	Fish - Pangasianodon hypophthalmus - Juvenile (Fledgling, Hatchling, Weanling)	56 days	
	Acute EC50 21 µg/l Fresh water	Daphnia - Daphnia magna	48 hours	
	Acute LC50 1510 µg/l Marine water	Fish - Aphanius fasciatus	96 hours	
	Omethoate (ISO)			

SECTION 12: Ecological information

Flumioxazin (ISO)	Acute EC50 5.5 ppm Fresh water Acute LC50 2.3 ppm Fresh water Chronic NOEC 26 ppb Fresh water Chronic NOEC 7.7 ppb	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours 21 days 60 days
Carbaryl (ISO)	Acute EC50 0.0015 ppm Marine water Acute IC50 490 µg/l Fresh water Acute IC50 23900 µg/l Fresh water Acute IC50 0.019 mg/l Fresh water Acute LC50 1.25 µg/l Fresh water Chronic NOEC 50 µg/l Fresh water Chronic NOEC 10 µg/l Fresh water Chronic NOEC 0.2 µg/l Fresh water Chronic NOEC 445 µg/l Fresh water	Crustaceans - Penaeus aztecus Algae - Pseudokirchneriella subcapitata Aquatic plants - Lemna minor Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) Daphnia - Daphnia magna Algae - Pseudokirchneriella subcapitata Crustaceans - Cladocera Daphnia - Daphnia magna - Neonate Fish - Ptychocheilus lucius - Larvae	48 hours 96 hours 96 hours 48 hours 96 hours 3 weeks 21 days 32 days
Propoxur (ISO)	Acute EC50 1.9244 mg/l Fresh water Acute IC50 >198000 µg/l Fresh water Acute LC50 40.21 µg/l Marine water Acute LC50 0.001 mg/l Fresh water Acute LC50 1.3 ppm Fresh water Chronic NOEC 0.2 mg/l Fresh water Chronic NOEC 24600 µg/l Fresh water Chronic NOEC 0.023 ppm Fresh water Acute EC50 0.0018 mg/l	Algae - Scenedesmus quadricauda Aquatic plants - Lemna minor Crustaceans - Americamysis bahia - Juvenile (Fledgling, Hatchling, Weanling) Daphnia - Daphnia pulex Fish - Ictalurus punctatus Algae - Chlorella vulgaris Aquatic plants - Lemna minor Daphnia - Daphnia magna Daphnia - Daphnia magna	96 hours 96 hours 48 hours 96 hours 96 hours 96 hours 21 days 48 hours
2,3-Dihydro-2,2-dimethyl-7-benzofuryl 2,4-dimethyl-6-oxa-5-oxo-3-thia-2,4-diazadecanoate Butanoic acid, 3,3-dimethyl-, 2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro [4.4]non-3-en-4-yl ester	Acute EC50 17800 ppb Fresh water Acute LC50 16.8 ppb Fresh water Chronic NOEC 0.25 ppb Chronic NOEC 0.49 ppb Acute EC50 89.6 µg/l Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Pseudokirchneriella subcapitata	48 hours 96 hours 21 days 97 days 96 hours
Methanesulfonamide, N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]-	Acute EC50 26.1 µg/l Fresh water Acute EC50 60.4 ppm Fresh water Acute LC50 93.8 ppm Fresh water Chronic EC10 64.6 µg/l Fresh water Chronic EC10 9.2 µg/l Fresh water Chronic NOEC 0.2 ppm Fresh water Chronic NOEC 2.95 ppm Acute EC50 0.01 ppm Fresh water Acute EC50 0.78 ppm Fresh water Acute LC50 0.156 ppm Fresh water Chronic NOEC 0.039 ppm Fresh water Chronic NOEC 3.48 ppb Acute LC50 2.4 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Lepomis macrochirus Algae - Pseudokirchneriella subcapitata Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Scenedesmus subspicatus Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Crustaceans - Gammarus pseudolimnaeus - Adult	96 hours 48 hours 96 hours 96 hours 96 hours 21 days 99 days 96 hours 48 hours 96 hours 21 days 31 days 48 hours
Zoxamide (ISO)			
phosmet (ISO)			

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

LC/MS Pesticide Standard #7	Acute LC50 0.042 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 58 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
Acetonitrile	Chronic NOEC 0.78 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 3.2 ppb	Fish - Oncorhynchus mykiss	60 days
Mercaptodimethur (ISO)	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
Avermectin B1	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
5,5-Dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 55 µg/l Marine water	Crustaceans - Penaeus duorarum - Adult	48 hours
1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-	Acute EC50 19 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.051 ppm Marine water	Fish - Menidia menidia - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
Ivermectin	Chronic NOEC 0.1 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 50 ppb	Fish - Oncorhynchus mykiss	56 days
Chlorotoluron (ISO)	Acute EC50 7.3096 mg/l Fresh water	Algae - Scenedesmus acutus var. acutus	96 hours
	Acute EC50 4.4 mg/l Fresh water	Algae - Scenedesmus subspicatus	72 hours
Ivermectin	Acute EC50 0.00027 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 3.6 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
Ivermectin	Chronic EC10 0.71 mg/l Fresh water	Algae - Scenedesmus subspicatus	72 hours
	Chronic NOEC 0.0047 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
Ivermectin	Acute EC50 0.24 µg/l Marine water	Algae - Skeletonema costatum	4 days
	Acute EC50 0.166 µg/l Marine water	Algae - Thalassiosira pseudonana	3 days
Ivermectin	Acute EC50 1.14 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.09 ppm Fresh water	Fish - Ictalurus punctatus	96 hours
Ivermectin	Acute EC50 1.26 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 0.38 ppb Fresh water	Daphnia - Daphnia magna	21 days
Ivermectin	Chronic NOEC 60.5 ppb	Fish - Pimephales promelas	35 days
	Acute LC50 0.026 µg/l Marine water	Crustaceans - Neomysis integer	48 hours
Ivermectin	Acute LC50 1.2 ng/L Fresh water	Daphnia - Daphnia magna - Young	48 hours
	Acute LC50 17.21 µg/l Fresh water	Fish - Danio rerio - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
Ivermectin	Chronic NOEC 391 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC 0.0003 ng/L Fresh water	Daphnia - Daphnia magna - Young	21 days
Chlorotoluron (ISO)	Acute EC50 0.0085 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 35000 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Chlorotoluron (ISO)	Chronic NOEC 10 µg/l Fresh water	Algae - Chlorella pyrenoidosa - Exponential growth phase	96 hours

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

Mexacarbate (ISO)	Acute EC50 5.2 µg/l Marine water	Crustaceans - Penaeus aztecus - Adult	48 hours
	Acute EC50 41 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 597 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
1-(3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl)-3-(2,6-difluorobenzoyl)urea	Acute EC50 0.111 ppb Fresh water	Daphnia - Daphnia magna	48 hours
Temephos	Chronic NOEC 0.001 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 2.8 µg/l Marine water	Crustaceans - Penaeus aztecus - Adult	48 hours
	Acute EC50 0.011 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 40 µg/l Marine water	Fish - Fundulus heteroclitus - Adult	96 hours
(2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one	Acute EC50 190 µg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 3.7 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1.9 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 0.3 ppb Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 1.01 ppb	Fish - Oncorhynchus mykiss	32 days
tebuthiuron (ISO)	Acute EC50 0.102 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 297 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute IC50 275 µg/l Fresh water	Algae - Chlorella sp. - Exponential growth phase	72 hours
	Acute IC50 29.1 µg/l Marine water	Aquatic plants - Zostera muelleri	72 hours
	Acute IC50 174 µg/l Fresh water	Aquatic plants - Lemna aequinoctialis	96 hours
	Acute LC50 106 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 92 µg/l Fresh water	Algae - Chlorella sp. - Exponential growth phase	72 hours
	Chronic NOEC 3 µg/l Marine water	Aquatic plants - Zostera muelleri	72 hours
	Chronic NOEC 21800 µg/l Fresh water	Daphnia - Daphnia magna - Instar	21 days
	Chronic NOEC 9300 µg/l Fresh water	Fish - Pimephales promelas - Egg	33 days
LC/MS Pesticide Standard #8			
Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
4-Cyclopropyl-6-methyl-n-phenyl-2-pyrimidinamin	Acute EC50 32 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1.25 ppm Marine water	Fish - Cyprinodon variegatus	96 hours
	Chronic NOEC 0.0082 ppm	Daphnia - Daphnia magna	21 days
desmedipham (ISO)	Acute EC50 1.88 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1.7 ppm Fresh water	Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
[1,2,4]Triazolo[1,5-a]pyrimidine-2-sulfonamide, N-(2,6-difluorophenyl)-5-methyl-	Acute EC50 10.6847 mg/l Fresh water	Algae - Chlorella vulgaris	96 hours
	Acute EC50 254 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >293 ppm Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 111 ppm Fresh water	Daphnia - Daphnia magna	21 days

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

2-Pyridinamine, 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-	Chronic NOEC 197 ppm Acute EC50 0.02 mg/l Fresh water	Fish - Pimephales promelas Algae - Chlorella pyrenoidosa	32 days 96 hours
	Acute EC50 115 µg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-	Acute EC50 180 ppb Fresh water Acute LC50 36 ppb Fresh water Chronic NOEC 0.0005 mg/l Fresh water Chronic NOEC 68 ppb Chronic NOEC 0.69 ppb Fresh water Acute EC50 0.0071 ppm Fresh water	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Algae - Chlorella pyrenoidosa Daphnia - Daphnia magna Fish - Pimephales promelas Daphnia - Daphnia magna	48 hours 96 hours 96 hours 21 days 278 days 48 hours
	Acute LC50 0.0351 ppm Fresh water	Crustaceans - Gammarus pseudolimnaeus	48 hours
Carbofuran (ISO)	Acute EC50 2.6 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 0.018 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute IC50 1980 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute IC50 236000 µg/l Fresh water Acute LC50 1.592 µg/l Fresh water	Aquatic plants - Lemna minor Crustaceans - Paratelphusa jacquemontii - Intermolt	96 hours 48 hours
	Acute LC50 33 ppb Marine water Chronic NOEC 0.2 mg/l Fresh water	Fish - Menidia menidia Algae - Scenedesmus acutus var. acutus	96 hours 96 hours
	Chronic NOEC 171000 µg/l Fresh water Chronic NOEC 9.8 ppb Fresh water Chronic NOEC 2.6 ppb	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Cyprinodon variegatus	96 hours 21 days 32 days

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
LC/MS Pesticide Standard #4 Propargite (ISO)	OECD 301B Ready Biodegradability - CO2 Evolution Test	74.4 % - 28 days	-	-
LC/MS Pesticide Standard #5 Diuron (ISO)	OECD 301F Ready Biodegradability - Manometric Respirometry Test	0 % - 28 days	-	-

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
LC/MS Pesticide Standard #1 Acetonitrile	-	-	Readily
LC/MS Pesticide Standard #2 Acetonitrile Diazinon (ISO)	- Fresh water 78 days, pH 7, 20°C	- -	Readily Not readily
LC/MS Pesticide Standard #3 Acetonitrile	-	-	Readily
LC/MS Pesticide Standard #4 Acetonitrile Propargite (ISO)	- -	- -	Readily Readily
LC/MS Pesticide Standard #5 Acetonitrile Diuron (ISO)	- -	- -	Readily Not readily
LC/MS Pesticide Standard #6 Acetonitrile	-	-	Readily
LC/MS Pesticide Standard #7 Acetonitrile	-	-	Readily
LC/MS Pesticide Standard #8 Acetonitrile	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
LC/MS Pesticide Standard #1 Acetonitrile	-0.34	3	low
Methamidophos (ISO)	-0.8	-	low
Azinphos-ethyl (ISO)	3.4	-	low
Fenamiphos (ISO)	3.23	-	low
Flufenacet (ISO)	3.2	-	low
Disulfoton (ISO)	4.02	218.78	low
4H-1,3,5-Thiadiazin-4-one, 2- [(1,1-dimethylethyl)imino] tetrahydro-3-(1-methylethyl) -5-phenyl-	4.3	-	high
Dimoxystrobin (ISO)	3.59	-	low
Benzamide, 2,6-dichloro-N- [3-chloro-5-(trifluoromethyl) -2-pyridinyl]methyl]-	3.26	-	low
4(3H)-Quinazolinone, 6-iodo- 2-propoxy-3-propyl-	5.5	-	high
Butanoic acid, 2,2-dimethyl-,	5.8	-	high

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl ester			
Spiroxamine (ISO)	5.5	-	high
Azinphos-methyl (ISO)	2.75	-	low
cyproconazole (ISO)	2.9	-	low
LC/MS Pesticide Standard #2			
Acetonitrile	-0.34	3	low
1-[2-(Allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole	3.82	170	low
Chlorfenvinphos (ISO)	3.81	-	low
Chlorpyrifos-methyl	4.31	-	high
Propiconazole (ISO)	3.72	-	low
Tebuconazole (ISO)	3.7	-	low
Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (2-methyl[1,1'-biphenyl]-3-yl)methyl ester, (1R,3R)-rel-	6.6	-	high
Cyclopentanol, 2-[(4-chlorophenyl)methyl]-5-(1-methylethyl)-1-(1H-1,2,4-triazol-1-ylmethyl)-	4.21	-	high
S-[(6-chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethyl thiophosphate	1.05	-	low
Diazinon (ISO)	3.81	70.79	low
Dichlorvos (ISO)	1.43	0.5	low
Ethion (ISO)	5.07	-	high
BROMUCONAZOLE	3.24	-	low
Coumaphos (ISO)	4.13	-	high
Chlorpyrifos (ISO)	4.96	1513.56	high
Ethoprophos (ISO)	3.59	-	low
LC/MS Pesticide Standard #3			
Acetonitrile	-0.34	3	low
S-tert-Butylthiomethyl O,O-diethylphosphorodithioate	4.48	-	high
Succinic acid, mercapto-, diethyl ester, S-ester with O,O-dimethylphosphorothioate	-	1.12	low
Pirimicarb (ISO)	1.7	-	low
Pirimiphos-methyl (ISO)	4.2	-	high
Quinalphos (ISO)	4.44	-	high
Profenofos (ISO)	4.2	60	low
Phosphamidon	0.79	-	low
Phenthoate (ISO)	3.69	48.98	low
Methidathion (ISO)	2.2	5.5	low
Trans-isopropyl-3-[[ethylamino)methoxyfosfinothioyl]oxy] crotonate	3.82	-	low
1H-1,2,4-Triazole, 1-[[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl]	4.3	-	high

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

methyl]- quinoxifen (ISO)	4.66	-	high
Isoxaflutole (ISO)	2.32	-	low
Malathion (ISO)	2.36	33.11	low
2-Chloro-2'-ethyl-N- (2-methoxy-1-methylethyl)-6'- methylacetanilide	3.13	-	low
Oxadiazon (ISO)	4.8	1202.26	high
N-(1-Ethylpropyl)-2,6-dinitro- 3,4-xylidine	5.2	-	high
Molinate (ISO)	3.21	25.7	low
2-Chloro-N-(2, 6-dimethylphenyl)-N-(1H- pyrazol-1-ylmethyl)acetamide	2.13	-	low
Triazophos (ISO)	3.34	-	low
1H-Pyrazole-5-carboxamide, 4-chloro-N-[[4-(1, 1-dimethylethyl)phenyl] methyl]-3-ethyl-1-methyl-	4.61	14.13	low
Mevinphos (ISO)	0.13	-	low
Phosalone	4.38	-	high
LC/MS Pesticide Standard #4			
Acetonitrile	-0.34	3	low
Monocrotophos (ISO)	-0.2	-	low
fipronil (ISO)	4	-	high
N-[[[(4-chlorophenyl)amino] carbonyl]-2, 6-difluorobenzamide	3.88	158.49	low
Carfentrazone-ethyl (ISO)	3.36	-	low
Kresoxim-methyl (ISO)	3.4	-	low
Phoxim (ISO)	4.39	812.83	high
famoxadone (ISO)	4.65	-	high
Chlorsulfuron (ISO)	2	-	low
Benzamide, N-(((4-(2-chloro- 4-(trifluoromethyl)phenoxy) -2-fluorophenyl)amino) carbonyl)-2,6-difluoro-	6.16	-	high
Linuron (ISO)	3.2	17.78	low
Metribuzin (ISO)	1.7	-	low
Methyl 2-(3-(4-methoxy- 6-methyl-1,3,5-triazin-2-yl) 3-methylureidosulphonyl) benzoate	-0.44	-	low
Metsulfuron-methyl	2.2	-	low
Cyazofamid (ISO)	3.2	-	low
Flazasulfuron (ISO)	1.08	-	low
hexythiazox (ISO)	5.57	-	high
Benzamide, N-[[[3-chloro-4- [1,1,2-trifluoro-2- (trifluoromethoxy)ethoxy] phenyl]amino]carbonyl]-2, 6-difluoro-	5.27	-	high
3,5-Dithia-2, 4-diazahexanamide, N-(4, 6-dimethoxy-2-pyrimidinyl) -4-methyl-, 3,3,5,5-tetraoxide	1.63	-	low
Aminocarb (ISO)	1.9	-	low
3,6-Bis(o-chlorophenyl)-1,2,4, 5-tetrazine	3.1	-	low

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

Benzamide, N-[[[(3,5-dichloro-2,4-difluorophenyl)amino]carbonyl]-2,6-difluoro-Propargite (ISO)	4.56 5	- -	high high
LC/MS Pesticide Standard #5			
Acetonitrile	-0.34	3	low
Aldicarb (ISO)	1.13	-	low
fenobucarb (ISO)	2.78	25.7	low
Azoxystrobin	2.5	17	low
Dimethyl N,N'-[thiobis[(methylimino)carbonyloxy]]bis(thioimidoacetate)	1.7	-	low
pyridaben (ISO)	6.37	-	high
Trifloxystrobin (ISO)	4.5	-	high
Carbendazim (ISO)	1.52	2.51	low
Methabenzthiazuron (ISO)	2.64	-	low
fenazaquin (ISO)	5.51	-	high
Pyraclostrobin	3.99	230	low
Diuron (ISO)	2.84	5.2	low
Methomyl (ISO)	0.6	-	low
2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, (2E)-	0.57	-	low
LC/MS Pesticide Standard #6			
Acetonitrile	-0.34	3	low
Trichlorfon (ISO)	0.51	-	low
Omethoate (ISO)	-0.74	-	low
Flumioxazin (ISO)	2.55	-	low
Carbaryl (ISO)	2.36	8.91	low
Propoxur (ISO)	1.52	-	low
2,3-Dihydro-2,2-dimethyl-7-benzofuryl 2,4-dimethyl-6-oxa-5-oxo-3-thia-2,4-diazadecanoate	4.7	-	high
Methanesulfonamide, N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]-Zoxamide (ISO)	0.99	-	low
phosmet (ISO)	3.76 2.78	- 1.82	low low
LC/MS Pesticide Standard #7			
Acetonitrile	-0.34	3	low
Mercaptodimethur (ISO)	2.92	35	low
Spinosad (ISO) (reaction mass of spinosyn A and spinosyn D in ratios between 95:5 to 50:50)	4	-	high
5,5-Dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone	2.31	-	low
Chlorotoluron (ISO)	2.41	-	low
Mexacarbate (ISO)	2.56	26.3	low

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 12: Ecological information

1-(3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl)-3-(2,6-difluorobenzoyl)urea	5.68	-	high
Temephos	5.96	-	high
(2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one	4.1	25.7	low
tebuthiuron (ISO)	1.79	-	low
LC/MS Pesticide Standard #8			
Acetonitrile	-0.34	3	low
4-Cyclopropyl-6-methyl-n-phenyl-2-pyrimidinamin	4	-	high
desmedipham (ISO)	3.39	-	low
[1,2,4]Triazolo[1,5-a]pyrimidine-2-sulfonamide, N-(2,6-difluorophenyl)-5-methyl-	0.051 to 0.085	-	low
2-Pyridinamine, 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-	4.01	-	high
Carbofuran (ISO)	2.32	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 13: Disposal considerations

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID / IMDG / IATA : Not regulated.

Additional information

Remarks: De minimis quantities

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : LC/MS Pesticide Standard #1 Not applicable.
LC/MS Pesticide Standard #2 Not applicable.
LC/MS Pesticide Standard #3 Not applicable.
LC/MS Pesticide Standard #4 Not applicable.
LC/MS Pesticide Standard #5 Not applicable.
LC/MS Pesticide Standard #6 Not applicable.
LC/MS Pesticide Standard #7 Not applicable.
LC/MS Pesticide Standard #8 Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Listed

Industrial emissions (integrated pollution prevention and control) - Water : Listed

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 15: Regulatory information

Danger criteria

Category

LC/MS Pesticide Standard #1

P5c

E1

LC/MS Pesticide Standard #2

P5c

E1

LC/MS Pesticide Standard #3

P5c

E1

LC/MS Pesticide Standard #4

P5c

E1

LC/MS Pesticide Standard #5

P5c

E1

LC/MS Pesticide Standard #6

P5c

E1

LC/MS Pesticide Standard #7

P5c

E1

LC/MS Pesticide Standard #8

P5c

E2

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (ENCS) : Not determined. Japan inventory (ISHL) : Not determined.
Malaysia	: Not determined.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 15: Regulatory information

New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number
-----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
LC/MS Pesticide Standard #1 Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
LC/MS Pesticide Standard #2 Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
LC/MS Pesticide Standard #3 Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
LC/MS Pesticide Standard #4 Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319 Aquatic Acute 1, H400	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method

Date of issue/Date of revision : 21/06/2018

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 16: Other information

Aquatic Chronic 1, H410

Calculation method

LC/MS Pesticide Standard #5

Flam. Liq. 2, H225
Acute Tox. 4, H302
Acute Tox. 4, H312
Acute Tox. 4, H332
Eye Irrit. 2, H319
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

On basis of test data
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

LC/MS Pesticide Standard #6

Flam. Liq. 2, H225
Acute Tox. 4, H302
Acute Tox. 4, H312
Acute Tox. 4, H332
Eye Irrit. 2, H319
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

On basis of test data
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

LC/MS Pesticide Standard #7

Flam. Liq. 2, H225
Acute Tox. 4, H302
Acute Tox. 4, H312
Acute Tox. 4, H332
Eye Irrit. 2, H319
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

On basis of test data
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

LC/MS Pesticide Standard #8

Flam. Liq. 2, H225
Acute Tox. 4, H302
Acute Tox. 4, H312
Acute Tox. 4, H332
Eye Irrit. 2, H319
Aquatic Chronic 2, H411

On basis of test data
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

[Full text of abbreviated H statements](#)

LC/MS Pesticide Standard #1

H225
H300
H302
H310
H311
H312
H315
H317
H319
H330
H332
H351
H361d (Unborn child)
H373 (nervous system)

Highly flammable liquid and vapour.
Fatal if swallowed.
Harmful if swallowed.
Fatal in contact with skin.
Toxic in contact with skin.
Harmful in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Fatal if inhaled.
Harmful if inhaled.
Suspected of causing cancer.
Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure. (nervous system)
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

H373

H400
H410

LC/MS Pesticide Standard #2

H225
H300

Highly flammable liquid and vapour.
Fatal if swallowed.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 16: Other information

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H361d (Unborn child)	Suspected of damaging the unborn child.
H371 (nervous system) (oral)	May cause damage to organs if swallowed. (nervous system)
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
LC/MS Pesticide Standard #3	
H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361d (Unborn child)	Suspected of damaging the unborn child.
H361f (Fertility)	Suspected of damaging fertility.
H373 (gastrointestinal tract) (oral)	May cause damage to organs through prolonged or repeated exposure if swallowed. (gastrointestinal tract)
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
LC/MS Pesticide Standard #4	
H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H360Df (Unborn child and Fertility)	May damage the unborn child. Suspected of damaging fertility.
H361f (Fertility)	Suspected of damaging fertility.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 16: Other information

H400 H410	exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
LC/MS Pesticide Standard #5	
H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H340	May cause genetic defects.
H351	Suspected of causing cancer.
H360FD (Fertility and Unborn child)	May damage fertility. May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400 H410	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
LC/MS Pesticide Standard #6	
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H360D (Unborn child)	May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400 H410	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
LC/MS Pesticide Standard #7	
H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H361d (Unborn child)	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
LC/MS Pesticide Standard #8	
H225	Highly flammable liquid and vapour.

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 16: Other information

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H361d (Unborn child)	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

<p>LC/MS Pesticide Standard #1</p> <p>Acute Tox. 1, H310 Acute Tox. 2, H300 Acute Tox. 2, H310 Acute Tox. 2, H330 Acute Tox. 3, H311 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Carc. 2, H351 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Repr. 2, H361d (Unborn child) Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 (nervous system)</p> <p>STOT RE 2, H373</p>	<p>ACUTE TOXICITY (dermal) - Category 1 ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 2 ACUTE TOXICITY (inhalation) - Category 2 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 CARCINOGENICITY - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 REPRODUCTIVE TOXICITY (Unborn child) - Category 2 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (nervous system) - Category 2 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2</p>
<p>LC/MS Pesticide Standard #2</p> <p>Acute Tox. 1, H310 Acute Tox. 2, H300 Acute Tox. 2, H330 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Carc. 2, H351 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Repr. 2, H361d (Unborn child) Skin Sens. 1, H317 STOT SE 2, H371 (nervous system) (oral)</p>	<p>ACUTE TOXICITY (dermal) - Category 1 ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (inhalation) - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 CARCINOGENICITY - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 REPRODUCTIVE TOXICITY (Unborn child) - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (nervous system) (oral) - Category 2</p>
<p>LC/MS Pesticide Standard #3</p> <p>Acute Tox. 1, H310 Acute Tox. 2, H300 Acute Tox. 2, H310 Acute Tox. 3, H301</p>	<p>ACUTE TOXICITY (dermal) - Category 1 ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 2 ACUTE TOXICITY (oral) - Category 3</p>

SECTION 16: Other information

Acute Tox. 3, H311	ACUTE TOXICITY (dermal) - Category 3
Acute Tox. 3, H331	ACUTE TOXICITY (inhalation) - Category 3
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Acute Tox. 4, H312	ACUTE TOXICITY (dermal) - Category 4
Acute Tox. 4, H332	ACUTE TOXICITY (inhalation) - Category 4
Aquatic Acute 1, H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Carc. 2, H351	CARCINOGENICITY - Category 2
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2, H225	FLAMMABLE LIQUIDS - Category 2
Muta. 2, H341	GERM CELL MUTAGENICITY - Category 2
Repr. 2, H361d (Unborn child)	REPRODUCTIVE TOXICITY (Unborn child) - Category 2
Repr. 2, H361f (Fertility)	REPRODUCTIVE TOXICITY (Fertility) - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317	SKIN SENSITISATION - Category 1
Skin Sens. 1B, H317	SKIN SENSITISATION - Category 1B
STOT RE 2, H373 (gastrointestinal tract) (oral)	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (gastrointestinal tract) (oral) - Category 2
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

LC/MS Pesticide Standard #4

Acute Tox. 2, H300	ACUTE TOXICITY (oral) - Category 2
Acute Tox. 2, H330	ACUTE TOXICITY (inhalation) - Category 2
Acute Tox. 3, H301	ACUTE TOXICITY (oral) - Category 3
Acute Tox. 3, H311	ACUTE TOXICITY (dermal) - Category 3
Acute Tox. 3, H331	ACUTE TOXICITY (inhalation) - Category 3
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Acute Tox. 4, H312	ACUTE TOXICITY (dermal) - Category 4
Acute Tox. 4, H332	ACUTE TOXICITY (inhalation) - Category 4
Aquatic Acute 1, H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Carc. 2, H351	CARCINOGENICITY - Category 2
Eye Dam. 1, H318	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2, H225	FLAMMABLE LIQUIDS - Category 2
Lact., H362	REPRODUCTIVE TOXICITY - Effects on or via lactation
Muta. 2, H341	GERM CELL MUTAGENICITY - Category 2
Repr. 1B, H360Df (Unborn child and Fertility)	REPRODUCTIVE TOXICITY (Unborn child and Fertility) - Category 1B
Repr. 2, H361f (Fertility)	REPRODUCTIVE TOXICITY (Fertility) - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317	SKIN SENSITISATION - Category 1
STOT RE 1, H372	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

LC/MS Pesticide Standard #5

Acute Tox. 1, H330	ACUTE TOXICITY (inhalation) - Category 1
Acute Tox. 2, H300	ACUTE TOXICITY (oral) - Category 2
Acute Tox. 2, H330	ACUTE TOXICITY (inhalation) - Category 2
Acute Tox. 3, H301	ACUTE TOXICITY (oral) - Category 3
Acute Tox. 3, H311	ACUTE TOXICITY (dermal) - Category 3
Acute Tox. 3, H331	ACUTE TOXICITY (inhalation) - Category 3
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Acute Tox. 4, H312	ACUTE TOXICITY (dermal) - Category 4
Acute Tox. 4, H332	ACUTE TOXICITY (inhalation) - Category 4
Aquatic Acute 1, H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 16: Other information

Carc. 2, H351
 Eye Irrit. 2, H319
 Flam. Liq. 2, H225
 Muta. 1B, H340
 Repr. 1B, H360FD (Fertility and Unborn child)

Skin Irrit. 2, H315
 Skin Sens. 1, H317
 STOT RE 2, H373

LC/MS Pesticide Standard #6

Acute Tox. 2, H330
 Acute Tox. 3, H301
 Acute Tox. 4, H302
 Acute Tox. 4, H312
 Acute Tox. 4, H332
 Aquatic Acute 1, H400
 Aquatic Chronic 1, H410
 Carc. 2, H351
 Eye Irrit. 2, H319
 Flam. Liq. 2, H225
 Repr. 1B, H360D (Unborn child)
 Skin Irrit. 2, H315
 Skin Sens. 1, H317
 STOT RE 2, H373

LC/MS Pesticide Standard #7

Acute Tox. 1, H300
 Acute Tox. 2, H300
 Acute Tox. 3, H301
 Acute Tox. 3, H311
 Acute Tox. 4, H302
 Acute Tox. 4, H312
 Acute Tox. 4, H332
 Aquatic Acute 1, H400
 Aquatic Chronic 1, H410
 Aquatic Chronic 2, H411
 Carc. 2, H351
 Eye Irrit. 2, H319
 Flam. Liq. 2, H225
 Repr. 2, H361d (Unborn child)
 Skin Irrit. 2, H315
 STOT RE 1, H372

STOT SE 3, H335

LC/MS Pesticide Standard #8

Acute Tox. 2, H300
 Acute Tox. 2, H330
 Acute Tox. 4, H302
 Acute Tox. 4, H312
 Acute Tox. 4, H332
 Aquatic Acute 1, H400
 Aquatic Chronic 1, H410
 Aquatic Chronic 2, H411
 Carc. 2, H351
 Eye Dam. 1, H318
 Eye Irrit. 2, H319
 Flam. Liq. 2, H225

CARCINOGENICITY - Category 2
 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
 FLAMMABLE LIQUIDS - Category 2
 GERM CELL MUTAGENICITY - Category 1B
 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 1B
 SKIN CORROSION/IRRITATION - Category 2
 SKIN SENSITISATION - Category 1
 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

ACUTE TOXICITY (inhalation) - Category 2
 ACUTE TOXICITY (oral) - Category 3
 ACUTE TOXICITY (oral) - Category 4
 ACUTE TOXICITY (dermal) - Category 4
 ACUTE TOXICITY (inhalation) - Category 4
 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
 CARCINOGENICITY - Category 2
 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
 FLAMMABLE LIQUIDS - Category 2
 REPRODUCTIVE TOXICITY (Unborn child) - Category 1B
 SKIN CORROSION/IRRITATION - Category 2
 SKIN SENSITISATION - Category 1
 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

ACUTE TOXICITY (oral) - Category 1
 ACUTE TOXICITY (oral) - Category 2
 ACUTE TOXICITY (oral) - Category 3
 ACUTE TOXICITY (dermal) - Category 3
 ACUTE TOXICITY (oral) - Category 4
 ACUTE TOXICITY (dermal) - Category 4
 ACUTE TOXICITY (inhalation) - Category 4
 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
 CARCINOGENICITY - Category 2
 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
 FLAMMABLE LIQUIDS - Category 2
 REPRODUCTIVE TOXICITY (Unborn child) - Category 2
 SKIN CORROSION/IRRITATION - Category 2
 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

LC/MS Pesticide Standard Kit, Part Number 5190-0551

SECTION 16: Other information

Repr. 2, H361d (Unborn child) Skin Sens. 1, H317 Skin Sens. 1A, H317	REPRODUCTIVE TOXICITY (Unborn child) - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A
----------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------

Date of issue/ Date of revision : 21/06/2018

Date of previous issue : 24/06/2016

Version : 2

Notice to reader

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.